Purchasing Office
191 South East Street
Frederick, Maryland 21701
301-644-5208 phone
301-644-5213 fax
kim.miskell@fcps.org

Frederick County Public Schools
Reach. Challenge. Prepare.

Kerrie Koopman CPPB, CPPO,
Purchasing Manager
Kim Miskell, CSBO, Assistant Purchasing Manager
Bill Meekins CPPB, CSBO, CPCP,
Purchasing Agent
Shane Ryberg, Purchasing Agent

ADDENDUM

July 31, 2019

ADDENDUM # 5
Bid 19C14, Rock Creek School Replacement Project
REVISED DUE DATE & TIME: FCPS Main Lobby, Wednesday, August 7, 2019, prior to and time stamped no later than 2:00 P.M.

This addendum is being issued to provide additions, corrections, clarifications and answers to certain questions raised referencing the original bid packages and any resultant contracts for the above bid.

1. This Addendum includes the following attachment(s):

    a. Dustin Construction, Inc. - Addendum #5 (465 pages)

Thank you for your interest in bidding with Frederick County Public Schools and we apologize for any inconvenience this may have caused.

Sincerely,

Kim Miskell

Kim Miskell, CSBO,
Assistant Purchasing Manager

km/ab

pc: Brian Staiger, Senior Project Manager, Construction Management
John Pickett, Dustin Construction
Kori Purdum, Proffitt & Associates

Rock Creek School Replacement
Frederick County Public Schools
FCPS Bid #19C14

general contracting
construction management
design/build

To: All Plan Holders
Project: Rock Creek School Replacement
Walkersville, Maryland
Re: Addendum #5

Ladies and Gentleman:

Enclosed herein, please find Addendum #5, dated 7/31/19.

To the Contract Drawings and Specifications for the referenced project as stated below, as prepared by Proffitt & Associates Architects, PC in conjunction with Dustin Construction Inc., this addendum includes changes and clarifications to the Contract Documents as follows:

Item:		Pages
1.	Proffitt & Associates Addendum #5	97
2.	Pre-Bid RFI Log	15
3.	Pre-Bid RFI Responses	282
4.	Revised Specification Section 002413 Cross Reference R2	14
5.	Revised General Scope R3	16
6.	Revised 02A Specific Scope R3	15
7.	Revised 05A Specific Scope R2	5
8.	Revised 06A Specific Scope R3	12
9.	Revised 16A Specific Scope R1	7
10.	Site Visit Sign in Sheet	1

Including this cover, Addendum #5 consists of four hundred sixty-five (465) pages. Advise this office at once if any attachments are missing.

Enclosures:
Addendum #5

cc. Brian Staiger – Frederick County Public Schools
Kim Miskell – Frederick County Public Schools
Donna Rosano – Proffitt & Associates
Kori Matheis – Proffitt & Associates
Matt Evans – Dustin
John Pickett – Dustin
Lloyd Hill – Dustin
File

RFI Summary Log

Grouped by Trade Contractor

Rock Creek Replacement **Project # 148** **Dustin Construction, Inc.**

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
Accubid Civil Construction					
000.PB 301	Site Wall Profiles	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 302	ESC SSF	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 303	Roof Drains	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 304	Drain Structures	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 305	Turf Underdrains	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 308	MBR Facility	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 350	Turf	7/29/2019	8/5/2019	7/30/2019	-6
Altimate Electric					
000.PB 062	Wiremold	7/17/2019	7/24/2019	7/25/2019	1
000.PB 063	DAS System	7/17/2019	7/24/2019	7/31/2019	7
Arundel Signs					
000.PB 278	Specification Section 101419	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 279	Life Safety Signage	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 280	Sign Sizes	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 281	Tax Exempt	7/25/2019	8/1/2019	7/31/2019	-1
Barnes and Associates					
000.PB 351	Mineral Profile Paneling	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 352	1/S404	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 353	A004 Wall Types	7/29/2019	8/5/2019	7/31/2019	-5
BoMark Electric					
000.PB 022	Power Symbol Descriptions	7/16/2019	7/23/2019	7/30/2019	7
000.PB 023	Panel RD	7/16/2019	7/23/2019	7/25/2019	2
Brawner Builders					

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 282	FSC Wood for Library Shelving	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 283	Teacher Workstation	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 284	Floor Mounted Cubbies	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 285	Library Shelving	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 286	Knee Wall	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 287	Window Sills	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 288	Sills CW2, CW3	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 289	Room 408	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 290	B,C/A401	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 291	Integral Bowls	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 292	Dewatering	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 293	Greenhouse Lighting	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 294	Fall Protection	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 295	Stair Tower Duration	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 296	Greenhouse Manufacturers	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 297	Defibrillator	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 298	Flag Pole Base	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 299	Roller Shades	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 300	Spec 101419	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 336	Sales Tax	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 337	Colored Images	7/26/2019	8/2/2019	7/30/2019	-3
Callas Contractors					
000.PB 275	116143 Stage Curtains	7/25/2019	8/1/2019	7/30/2019	-2
000.PB 331	Final Cleaning	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 332	Dumpsters	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 333	Temporary Facilties	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 334	Greenhouse Scoping	7/26/2019	8/2/2019	7/31/2019	-2
CAM Construction					

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 090	Appliance Locations	7/18/2019	7/25/2019	7/24/2019	-1
000.PB 091	Casework Substitution Request	7/18/2019	7/25/2019	7/30/2019	5
000.PB 092	Plastic Lockers	7/18/2019	7/25/2019	7/30/2019	5
000.PB 235	Portable Sanitation/Debris Removal	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 236	Builder's Risk Deductible	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 237	Sump Pit	7/24/2019	7/31/2019	7/25/2019	-6
Can Am Contractors, Inc.					
000.PB 338	Lift Track Support	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 339	LEED	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 340	Ceiling Coordination	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 341	Warranty	7/26/2019	8/2/2019	7/30/2019	-3
Canyon Contracting					
000.PB 050	Concrete Site Walls	7/17/2019	7/24/2019	7/30/2019	6
000.PB 051	03A Scope - Allowance	7/17/2019	7/24/2019	7/24/2019	0
Caton Communications Group					
000.PB 096	Plan Page TY101	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 097	UPS Equipment	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 098	Cat 5 Backbone	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 099	Wireless Access Points	7/22/2019	7/29/2019	7/31/2019	2
000.PB 100	Seclusion Room Technology	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 101	Access Controls	7/22/2019	7/29/2019	7/22/2019	-7
Construction Specialties					
000.PB 042	Construction Specialties Substitution Request	7/16/2019	7/23/2019	7/30/2019	7
Dance Brothers					
000.PB 217	Concrete Retaining Walls	7/22/2019	7/29/2019	7/25/2019	-4
Douglas Equipment					
000.PB 234	11400 Items 19 and 20	7/24/2019	7/31/2019	7/31/2019	0

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
Durex Coverings					
000.PB 253	RES-3 Finish	7/24/2019	7/31/2019	7/30/2019	-1
Dustin Construction					
000.PB 008	Spray Foam Angle Stop	7/11/2019	7/18/2019	7/18/2019	0
000.PB 029	Detailed Scope Assignments	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 030	Trade Package Self-Performance	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 074	Fire Pump	7/18/2019	7/25/2019	7/18/2019	-7
Elite Storage Products					
000.PB 009	Elite Storage Products Substitution Request	7/11/2019	7/18/2019	7/25/2019	7
Glass Industries					
000.PB 010	Glass Type IG-2	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 011	Scope 08A - Item 18	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 012	Door 020A/1	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 013	Doors 502/1, 502/2	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 014	08A Scope Item 26	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 015	Doors 005A/2 and 006/1	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 016	KAL-2, 3	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 017	Curtain Wall Mullion Caps	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 018	Fire Rated Aluminum/Folding Doors	7/16/2019	7/23/2019	7/24/2019	1
000.PB 019	Door 406/1	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 020	Curtain Wall Sunshades	7/16/2019	7/23/2019	7/18/2019	-5
Hancock & Albanese					
000.PB 001	Knox Boxes	7/11/2019	7/18/2019	7/11/2019	-7
000.PB 003	Signature Acknowledgement Form	7/11/2019	7/18/2019	7/24/2019	6
000.PB 005	Residential Appliances	7/11/2019	7/18/2019	7/18/2019	0
000.PB 006	Flag Poles	7/11/2019	7/18/2019	7/18/2019	0
000.PB 024	Builder's Risk Deductible	7/16/2019	7/23/2019	7/31/2019	8
000.PB 025	Liquidated Damages	7/16/2019	7/23/2019	7/18/2019	-5

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 026	General Scope of Work Item L.3	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 027	General Scope of Work Item M.6	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 027R1	General Scope of Work Item M.6	7/16/2019	7/23/2019	7/24/2019	1
000.PB 028	General Scope of Work Item O.2	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 028R1	General Scope of Work Item O.2	7/16/2019	7/23/2019	7/24/2019	1
000.PB 031	09A Scope Item #21	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 032	Vinyl Wallcoverings	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 033	Terrazzo	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 034	Safety Railing/Cables	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 035	06A Scope Item 14	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 036	06A Scope Item 15	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 037	06A Scope Item 8	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 038	Casework MEP	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 039	Greenhouse MEP	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 040	06A Scope Item 17	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 040R1	06A Scope Item 17	7/16/2019	7/23/2019	7/24/2019	1
000.PB 041	06A Scope Item 18	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 043	02A Scope Item 3	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 044	06A Self-Performance	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 045	Corner Guard Locations	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 046	Pegboard	7/16/2019	7/23/2019	7/30/2019	7
000.PB 047	Wall Coverings	7/16/2019	7/23/2019	7/30/2019	7
000.PB 048	Curtain in Rooms 402A and 403	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 052	Shower Curtains	7/16/2019	7/23/2019	7/30/2019	7
000.PB 053	Plan Holders List	7/16/2019	7/23/2019	7/31/2019	8
000.PB 054	Door Schedule - "AHM"	7/16/2019	7/23/2019	7/25/2019	2
000.PB 055	Insulation at HM Frames	7/16/2019	7/23/2019	7/24/2019	1
000.PB 056	Bituminous Coating at HM Frames	7/16/2019	7/23/2019	7/31/2019	8

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 057	Door 406/1 Material	7/16/2019	7/23/2019	7/17/2019	-6
000.PB 058	Missing HW Sets	7/16/2019	7/23/2019	7/30/2019	7
000.PB 059	HW Sets A801	7/16/2019	7/23/2019	7/30/2019	7
000.PB 060	Alt. #2 - Patient Care Equipment	7/16/2019	7/23/2019	7/25/2019	2
000.PB 061	Curtains at Changing Room	7/16/2019	7/23/2019	7/25/2019	2
000.PB 066	Patient Care Equipment	7/18/2019	7/25/2019	7/31/2019	6
000.PB 067	Literature Racks	7/18/2019	7/25/2019	7/30/2019	5
000.PB 068	Openings 005A/2 and 006/1	7/18/2019	7/25/2019	7/18/2019	-7
000.PB 069	Exercise Equipment	7/18/2019	7/25/2019	7/30/2019	5
000.PB 078	Bid Date Extension	7/18/2019	7/25/2019	7/30/2019	5
000.PB 079	Basketball Courts	7/18/2019	7/25/2019	7/25/2019	0
000.PB 080	Goal Ball Court	7/18/2019	7/25/2019	7/24/2019	-1
000.PB 081	Circulation Desk Cabinet	7/18/2019	7/25/2019	7/30/2019	5
000.PB 082	Display Tables	7/18/2019	7/25/2019	7/30/2019	5
000.PB 083	STC Rated Doors	7/18/2019	7/25/2019	7/25/2019	0
000.PB 084	Floor Hatch Specification	7/18/2019	7/25/2019	7/25/2019	0
000.PB 085	Countertop Edging	7/18/2019	7/25/2019	7/30/2019	5
000.PB 086	Sill Details	7/18/2019	7/25/2019	7/30/2019	5
000.PB 087	Solid Surface Integral Bowls	7/18/2019	7/25/2019	7/25/2019	0
000.PB 088	Wardrobe Closet	7/18/2019	7/25/2019	7/25/2019	0
000.PB 089	Aluminum-Wrapped Plywood	7/18/2019	7/25/2019	7/24/2019	-1
000.PB 106	Door Hardware Sets	7/18/2019	7/25/2019	7/30/2019	5
000.PB 107	Opening 100/9	7/18/2019	7/25/2019	7/30/2019	5
000.PB 108	Utility Sink 5/A702	7/18/2019	7/25/2019	7/22/2019	-3
000.PB 109	Countertop 19/A702	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 110	Sink 1/A704	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 111	06A Scope Millwork Item 1	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 112	06A Scope - Countertop Equipment	7/22/2019	7/29/2019	7/22/2019	-7

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 113	Knee Wall Cap	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 114	Countertop Equipment	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 115	Floor Sleeves	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 116	Greenhouses	7/22/2019	7/29/2019	7/30/2019	1
000.PB 145	Steel Pipe Battens	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 146	Curtain Machines	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 147	Grand Drape Lining	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 148	Side Leg Curtain Operation	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 149	Curtain Valence	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 150	Dead-Hung Support Chains	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 225	HM Frame Infills	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 226	PLam Casework Finish	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 227	Wood Block Counters	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 228	Roof Cant Strip	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 229	Wood Blocking	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 230	FRP Door Color	7/22/2019	7/29/2019	7/30/2019	1
000.PB 231	Roller Shade Locations	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 232	Countertops	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 273	Missing Jamb Sections	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 274	Corner Guard Heights	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 314	Millwork Specifications	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 315	Casework Numbers	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 316	Casework Details	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 317	Plywood Backerboard	7/26/2019	8/2/2019	7/30/2019	-3
HP Electronics					
000.PB 075	PA/Intercom Installation	7/18/2019	7/25/2019	7/18/2019	-7
Interstate Corporation					
000.PB 185	Roof Screen Gates	7/22/2019	7/29/2019	7/25/2019	-4

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 186	Roof Equipment Screens	7/22/2019	7/29/2019	7/30/2019	1
000.PB 188	Sheathing/Roof Blocking	7/22/2019	7/29/2019	7/31/2019	2
000.PB 189	Metal Deck Bent Plate	7/22/2019	7/29/2019	7/31/2019	2
000.PB 219	PVC Roofing System	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 233	Roof Screen Framing	7/22/2019	7/29/2019	7/24/2019	-5
000.PB 269	Aluminum Wrapped Plywood	7/24/2019	7/31/2019	7/24/2019	-7
Jamestown Advanced Products					
000.PB 141	Jamestown Advanced Products Substitution Request	7/22/2019	7/29/2019	7/30/2019	1
Keller Brothers, Inc.					
000.PB 002	Abacus Sports Substitution Request	7/11/2019	7/18/2019	7/25/2019	7
000.PB 309	Composite Cleanup Crew	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 310	Dumpsters	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 311	Plywood Backerboard	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 312	Stage Curtains	7/26/2019	8/2/2019	7/31/2019	-2
000.PB 313	Knee Wall Cap	7/26/2019	8/2/2019	7/31/2019	-2
Key Systems					
000.PB 064	Temporary Electric Consumption	7/17/2019	7/24/2019	7/24/2019	0
000.PB 070	SB Bollards	7/18/2019	7/25/2019	7/25/2019	0
000.PB 071	Electric Vehicle Charging Equipment	7/18/2019	7/25/2019	7/30/2019	5
000.PB 072	Utility Pump	7/18/2019	7/25/2019	7/25/2019	0
000.PB 073	Generator Feeder Size	7/18/2019	7/25/2019	7/25/2019	0
000.PB 076	Access Control	7/18/2019	7/25/2019	7/25/2019	0
000.PB 094	MD/RD Panel Schedules	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 095	Riser Diagrams - SPDs	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 306	Room Controller Location	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 307	Lighting Control	7/26/2019	8/2/2019	7/30/2019	-3
Kinsley Construction					
000.PB 049	Retainage Value	7/16/2019	7/23/2019	7/18/2019	-5

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
Kinsley Manufacturing					
000.PB 117	16 Gauge Angle Clips	7/22/2019	7/29/2019	7/24/2019	-5
000.PB 118	Detail Scope Assignments	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 119	Aluminum Handrail at Step Up Decking	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 120	Handrails at Step Up Decking	7/22/2019	7/29/2019	7/30/2019	1
000.PB 121	Pickets at Wood Handrail	7/22/2019	7/29/2019	7/30/2019	1
000.PB 122	Aluminum Handrails	7/22/2019	7/29/2019	7/30/2019	1
000.PB 123	Wood Risers at Step Up Decking	7/22/2019	7/29/2019	7/30/2019	1
000.PB 124	Aluminum Walkway Covers	7/22/2019	7/29/2019	7/30/2019	1
000.PB 125	Handrail Pipe and Bar Brackets	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 126	Railing Type 6	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 127	Railing Type 4	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 128	Railing Type 1	7/22/2019	7/29/2019	7/30/2019	1
000.PB 129	Loading Dock Ramp Railings	7/22/2019	7/29/2019	7/30/2019	1
000.PB 130	Stairs at A403	7/22/2019	7/29/2019	7/30/2019	1
000.PB 131	Roof Ladders	7/22/2019	7/29/2019	7/31/2019	2
000.PB 132	Bollard Locations	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 133	Trench Drain at 2/C-4J	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 134	Site Signage Steel Posts	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 135	Trench Drains	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 136	Lintels	7/22/2019	7/29/2019	7/30/2019	1
000.PB 137	Railing Type 7	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 138	Stair Grating	7/22/2019	7/29/2019	7/30/2019	1
000.PB 139	Washer Pad Grating	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 140	10 Gauge Steel Plates	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 161	Lintel at PE Office 904	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 162	Lintel at SF-5 Openings	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 163	Lintels at Interior Walls	7/22/2019	7/29/2019	7/25/2019	-4

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 164	Lintels at Fire Walls	7/22/2019	7/29/2019	7/30/2019	1
000.PB 165	Fire Wall Types	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 166	Pre-Engineered Platforms and Stairs	7/22/2019	7/29/2019	7/30/2019	1
000.PB 167	Closed Riser Plates	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 168	Blocking at Parapet	7/22/2019	7/29/2019	7/30/2019	1
000.PB 220	Spec Section 051200	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 221	Penthouse Framing	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 222	Pool Trench Drain	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 223	Railings at Pool	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 224	Greenhouse Trench Drain	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 239	Trench Drains TD-A	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 240	Exterior Trench Drains	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 241	18 Ga. Plates	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 254	Walkway Cover Installation	7/24/2019	7/31/2019	7/31/2019	0
000.PB 255	Walkway Cover Finish	7/24/2019	7/31/2019	7/31/2019	0
000.PB 256	Brick Column Enclosure	7/24/2019	7/31/2019	7/31/2019	0
000.PB 257	Flashing	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 267	Roof Screen Framing	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 277	Missing Lintels	7/25/2019	8/1/2019	7/31/2019	-1
000.PB 335	Metal Walkway Covers	7/26/2019	8/2/2019	7/30/2019	-3
Main Line Pools					
000.PB 142	Swimming Pool Heater Connections	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 143	Swimming Pool Bonding	7/22/2019	7/29/2019	7/22/2019	-7
Mastercare Flooring					
000.PB 318	Resilient Athletic Flooring	7/26/2019	8/2/2019	7/30/2019	-3
Metal Roofing Systems, Inc.					
000.PB 276	Metal Roofing Systems Substitution Request	7/25/2019	8/1/2019	7/30/2019	-2

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
Nevco Sports, LLC					
000.PB 007	Monument Sign Substitution Request	7/11/2019	7/18/2019	7/25/2019	7
Nexus Corporation					
000.PB 268	Greenhouse Substitution Request	7/24/2019	7/31/2019	7/30/2019	-1
O'Leary Asphalt					
000.PB 065	Striping at Play Area	7/18/2019	7/25/2019	7/30/2019	5
Paddock Pools					
000.PB 093	Pool Wall Pressure	7/18/2019	7/25/2019	7/30/2019	5
Panda Windows					
000.PB 077	Folding Door Substitution Request	7/18/2019	7/25/2019	7/30/2019	5
Playground Specialists					
000.PB 102	Secondary Playground	7/22/2019	7/29/2019	7/30/2019	1
Pleasants Construction Company					
000.PB 190	Paving at SWM-22	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 191	Playground Drain Tile	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 192	Bollards	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 193	Timber Guard Rail	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 194	Concrete Swale	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 195	Conflicting Utility Lines	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 196	Sheet C-3A	7/22/2019	7/29/2019	7/30/2019	1
000.PB 197	Outdoor Basketball	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 198	Sewer Manhole 2	7/22/2019	7/29/2019	7/31/2019	2
000.PB 199	Retaining Walls	7/22/2019	7/29/2019	7/30/2019	1
000.PB 200	SWM 26	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 201	Box Culvert Inverts	7/22/2019	7/29/2019	7/30/2019	1
000.PB 202	C-4G Outfall Treatment	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 203	C-4K Structure Number	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 204	Unidentified Storm Drain Structures	7/22/2019	7/29/2019	7/25/2019	-4

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 205	Inflow Treatment	7/22/2019	7/29/2019	7/30/2019	1
000.PB 206	Pipe/Structure Schedules	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 207	Trench Drains	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 208	Liquidated Damages	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 209	Crane Pads	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 210	Water Meter	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 211	Level Spreader/River Rock	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 212	Utilities - Trench Drains	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 213	Segmental Retaining Walls	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 214	Liquid Asphalt Index Price	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 215	Guardrails	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 216	Utility Blasting	7/22/2019	7/29/2019	7/24/2019	-5
000.PB 319	Sodding	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 320	Pipe Run Lengths	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 321	StormTrap Bill of Materials	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 322	16" HDPE Pipe	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 323	Storm Trap Access Manholes	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 324	Courtyard Trench Drains	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 325	Fill Composition	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 326	Storm Drain Liner	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 327	Pipe Under Sidewalk	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 328	Basin Liner	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 329	Retaining Wall Pipe Profile	7/26/2019	8/2/2019	7/30/2019	-3
000.PB 330	Box Culvert Rise	7/26/2019	8/2/2019	7/30/2019	-3
Scranton Products					
000.PB 004	Scranton Products Substitution Request	7/11/2019	7/18/2019	7/25/2019	7
Stella May Contracting					
000.PB 242	C-3T Water Line	7/24/2019	7/31/2019	7/25/2019	-6

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 243	C-3S Profile	7/24/2019	7/31/2019	7/25/2019	-6
000.PB 244	Conflicting Utility Lines	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 245	Grease Trap	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 246	64" HDPE	7/24/2019	7/31/2019	7/24/2019	-7
000.PB 247	Box Culvert	7/24/2019	7/31/2019	7/25/2019	-6
000.PB 248	Site Walls	7/24/2019	7/31/2019	7/25/2019	-6
000.PB 249	Wall Profiles	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 250	Box Culvert Detail	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 251	Structure Schedule	7/24/2019	7/31/2019	7/25/2019	-6
000.PB 252	Trash Racks	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 270	Missing Profile	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 271	Inlet Structure	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 272	48" HDPE Details	7/24/2019	7/31/2019	7/30/2019	-1
TJ Distributors					
000.PB 181	Gymnasium Equipment Control	7/22/2019	7/29/2019	7/30/2019	1
000.PB 182	Gym Floor Sleeves	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 183	Divider Curtains	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 184	Wall Padding	7/22/2019	7/29/2019	7/25/2019	-4
Towson Mechanical					
000.PB 218	Number of Proposals	7/22/2019	7/29/2019	7/23/2019	-6
Urban N. Zink					
000.PB 021	Geotechnical Report	7/16/2019	7/23/2019	7/18/2019	-5
000.PB 144	Fill Material	7/22/2019	7/29/2019	7/30/2019	1
000.PB 169	CIP Headwalls	7/22/2019	7/29/2019	7/30/2019	1
000.PB 170	HDPE Piping	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 171	Wall #2	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 172	Riser Structure	7/22/2019	7/29/2019	7/30/2019	1
000.PB 173	Structures at Storm Piping	7/22/2019	7/29/2019	7/30/2019	1

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 174	Headwall at SWM Pond	7/22/2019	7/29/2019	7/30/2019	1
000.PB 175	Headwall at Box Culvert	7/22/2019	7/29/2019	7/30/2019	1
000.PB 176	Concrete Swale	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 177	Sewer Manhole S-2	7/22/2019	7/29/2019	7/30/2019	1
000.PB 178	Concrete Slab at Storm Trap	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 179	Blasting	7/22/2019	7/29/2019	7/24/2019	-5
000.PB 180	Brick Channel Inverts	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 187	Stone Under Sidewalks	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 342	Seed/Sod	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 343	MD Ave. Barrier	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 344	Blasting	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 345	Timber Guardrail	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 346	Hard Play Area Markings	7/29/2019	8/5/2019	7/30/2019	-6
000.PB 347	Bollards	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 348	Crane Pads	7/29/2019	8/5/2019	7/31/2019	-5
000.PB 349	Staging Area	7/29/2019	8/5/2019	7/31/2019	-5
Victor Stanley					
000.PB 238	Site Furnishings	7/24/2019	7/31/2019	7/30/2019	-1
Waynesboro Construction Company					
000.PB 151	Single Trap Slab	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 152	Missing Pipe Profiles	7/22/2019	7/29/2019	7/30/2019	1
000.PB 153	Storm Trap	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 154	Utility Scheduling	7/22/2019	7/29/2019	7/24/2019	-5
000.PB 155	Self-Performance	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 156	RFI Period	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 157	Bid Period	7/22/2019	7/29/2019	7/22/2019	-7
000.PB 158	Site Retaining Walls	7/22/2019	7/29/2019	7/30/2019	1
000.PB 159	Wall 1	7/22/2019	7/29/2019	7/25/2019	-4

RFI #	Subject	Date Submitted	Date Req'd	Date Resp	Days Late
000.PB 160	Wall 2	7/22/2019	7/29/2019	7/25/2019	-4
William F. Klingensmith					
000.PB 103	Fiber Optic Demolition	7/22/2019	7/29/2019	7/31/2019	2
000.PB 104	Drawing A107	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 105	Steel Support at Patient Lifts	7/22/2019	7/29/2019	7/25/2019	-4
000.PB 259	Wall Cap Material	7/24/2019	7/31/2019	7/25/2019	-6
000.PB 260	Casework Schedule	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 261	19/A702	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 262	Sinks at 5/A702, 1/A704	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 263	Countertops 7,9/A703	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 264	D105 Cabinet	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 265	Cabinet Locks	7/24/2019	7/31/2019	7/30/2019	-1
000.PB 266	Doors/Drawers Inset	7/24/2019	7/31/2019	7/30/2019	-1
Window Consultants, Inc.					
000.PB 258	Glazing Types	7/24/2019	7/31/2019	7/30/2019	-1

Request for Information 000.PB022

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB022 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Bomark Electric Company 11408 Cronridge Drive, Suite F Owings Mills, MD 21117

Author RFI Number

Subject	Trade Contractor
Power Symbol Descriptions	BoMark Electric

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/23/2019**

There are no symbol descriptions for the dollowing symbols on the power drawings (see attached). Please provide a description.

Suggestion

Answer — **Date Answered:**

Plan symbols are identified under the details on the E6xx series.

BoMark
ELECTRIC
838 S. Main Street, Suite F • Hampstead, Maryland 21074 • (410) 998-1002 • Fax (410) 998-1121

Request For Information / Clarification

Date: 7/12/2019 **RFI #:** 16A-001

Job # 1914 **Job Name:** Rock Creek School

Reference: Power Symbols

Drawing # E101A-E1010 **Specification Section:** N/A

Question:

There is no symbol descriptions for the followings symbols on the power drawings.

Symbols - A, C, V, D, SB, T, S, P

Please Provide a description.

Suggested Remedy:

Please Respond By: ASAP

Request for Information 000.PB024

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB024 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Frederick County Public Schools 191 South East Street Frederick, MD 21701-5918	Brian Staiger	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Builder's Risk Deductible

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/23/2019**

General Scope of Work for All Trades, item F.1 indicates the responsible contractor must pay the Owners Builders Risk Insurance Policy deductible – please advise as to what the deductible amount is.

Suggestion

Answer | **Date Answered: 7/31/2019**

$2,500

Request for Information 000.PB042

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB042 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Apem Construction 713 B Massey Lane Alexandria, VA 22314

Author RFI Number

Subject	Trade Contractor
Construction Specialties Substitution Request	Construction Specialties

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/23/2019**

Substitution request for Specification Section 084523.

Suggestion

Answer | **Date Answered:**

Substitution request is not approved.

PAA Response - 7/30/2019

Monday, July 15, 2019

Kori Purdum
Proffitt & Associates Architects
49 S Carroll St
Frederick, MD 21701

RE: Rock Creek School **48844**
Section: 08 45 23 – Fiberglass-Sandwich-Panel Assemblies

Please direct all questions & responses to CPI's Point of Contact for this project:

Sean Kelly
APEM - Daylighting Consultant
713B Massey Ln.
Alexandria, VA 22314
Phone: (410) 846-4627
Cell: (443) 845-9045
skelly@apemconstruction.com

Dear Kori Purdum,

CPI Daylighting presents a competitive, higher performing, value added polycarbonate panel system for your consideration as an equal and viable alternate to fiberglass. CPI UniQuad® daylighting system will outperform fiberglass in a broad range of performance criteria, as documented in the attached product comparison chart.

Note: The spec calls for one (1) type of manufacturer; Fiberglass. As a result, we believe the school district will not receive competitive bids for the translucent daylighting components of the project. Approving our system as an equal will offer a financial benefit to the owner, providing durable quality and a competitive alternative daylighting system for this project.

Enclosed are the following for your review of our proposed substitution:

1. Formal CSI Substitution Request Form
2. UniQuad® vs. Fiberglass Comparison Chart
3. UniQuad® Solar Data Chart (performance data)
4. CPI Daylighting Brochure

For detailed product information, including technical data, specifications, cad details, online quotes, and literature requests with an extensive project gallery, visit our web site at: www.cpidaylighting.com

I thank you in advance for your consideration.

Sincerely,

Michael Mattea

Michael Mattea
CPI Daylighting, Inc.

*Enclosures

Standard CSI Form
Request for Approval as an Equal

TO: Kori Purdum
Proffitt & Associates Architects

PROJECT NAME: Rock Creek School

48844

We hereby submit for consideration, the following product instead of the specified item for the above referenced project:

SECTION - SPECIFIED ITEMS
08 45 23 – Fiberglass-Sandwich-Panel Assemblies

Proposed Substitution: CPI INSULATED TRANSLUCENT PANELS: UniQuad® Select From Standard Glazing Colors.

Attach complete dimensional information and technical data/01300/01340, including laboratory tests, if applicable.

Include complete information on changes to Drawings and Specifications that proposed substitutions will require for its proper installation.

Submit with request all necessary samples and substantiating data to prove equal quality, performance and appearance to that specified. Clearly mark manufacturer's literature to indicate equality in performance. Indicate differences in quality of materials and construction.

Fill in Blanks Below:

A. Does the substitution affect dimensions shown on Drawings? No: __X__
Yes: _____ If yes, clearly indicate changes. _____

_____

B. Will the undersign pay for changes to the building design, including engineering and detailing costs caused by the requested substitution? __*No Effect*__

C. What affect does substitution have on other trades, other Contracts and Completion date? __*No Effect*__

D. What affect does substitution have on applicable code requirements? __*No Effect*__

E. Difference between proposed substitution and specified item: *CPI Daylighting will provide the same performance as the specified item utilizing different technology, providing a stronger, longer lasting and better warranted daylighting system*.

F. Manufacturer's guarantees of the proposed and specified items are:
_____ Same _____X_____ Different (explain)
The UniQuad® is warranted with the same parameters as the specified system, but it exceeds the specified requirements.

G. List of names and addresses of similar projects on which product were used with Architect's name and project location: *Consult your local Rep*

H. Cost Impact: *CPI Daylighting should offer short-term cost benefits to the project and will offer superior long term cost benefits to the owner. UniQuad® will not require periodical application of resurfacing resin.*

CERTIFICATION OF EQUAL PERFORMANCE AND ASSUMPTION OF LIABILITY FOR EQUAL PERFORMANCE

Submitted on behalf of CPI Daylighting, Inc., by:

Michael Mattea — Michael Mattea

Monday, July 15, 2019 — Date

CPI DAYLIGHTING, INC.
28662 North Ballard Drive
Lake Forest, Illinois 60045

Telephone: (847) 816-1060
Fax: (847) 816-0425

Remarks: _____

For Use by Architect Re: Rock Creek School

48844

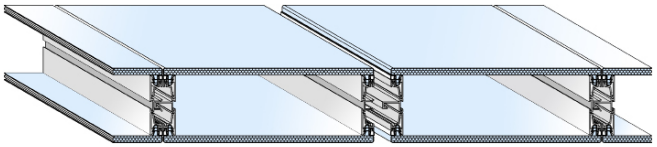
_____ **Accepted** _____ **Accepted As Noted**

_____ **Not Accepted** _____ **Received Too Late**

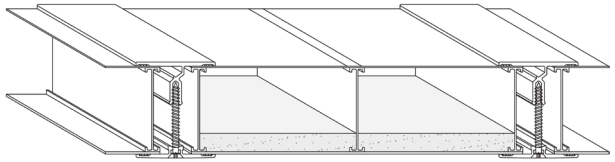
CPI Daylighting
Building Envelope Solutions

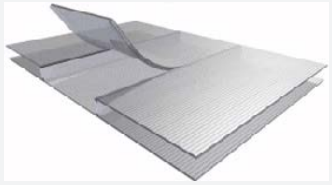
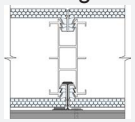
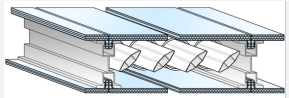
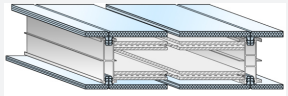
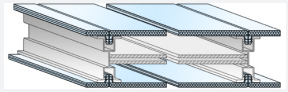
Quadwall System vs Fiberglass Sandwich Panel System

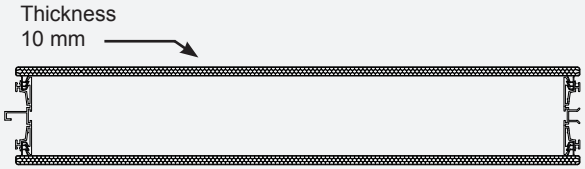
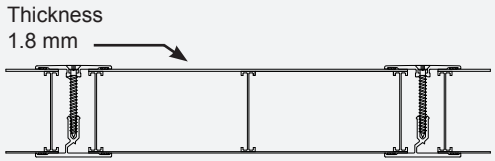
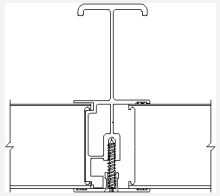
CPI Quadwall System



Fiberglass Sandwich Panel



System		
Removable Skin Technology (RST)	Yes Exterior glazing panel can be removed independently of the interior panel without compromising the integrity of the building envelope 	No - Both the exterior and interior skins are glued to the grid core. The entire sandwiched panel must be replaced, which can compromise the integrity of the building envelope and interrupt building operations.
Panel Assembly & Connection	Two independent glazing panels made of extruded translucent polycarbonate, joined together by a mechanical interlocking connection. **Mechanical connection** Dry-glazed - No adhesives, no maintenance Internal structural connector 	Two fiberglass skins glued to an internal grid core structure. The system relies on the adhesive to maintain its integrity. Routine maintenance may be required to preserve UV resistance, adhesives, and sealants.
Grid Core	Not Required - Allowing for a cleaner look	Required - Integral part of the system
Renewable Life-Cycle & Environmental Impact	**Yes** - option to replace only the exterior panels at the end of the product's life-cycle, reducing the environmental impact. **Disposal** - material is 100% recyclable ("cradle to cradle" life-cycle).	**No** - the entire panel must be replaced. **Disposal** - system is **NOT** recyclable, and may have a negative environmental impact ("cradle to grave" life-cycle).
Scalable Options	Yes - customizable system to meet variety of performance requirements	No
Controlled Daylighting		Not Available
Sound Reduction (STC 36 - 43)		Not Available
Forced Entry Certified per U.S. Department of State		Not Available

Glazing		
Panel	Extruded translucent tight-cell polycarbonate 	Fiberglass and polyester resin - thinner skin  
Standard Glazing Warranty	**10 years against loss of light transmission**	**No warranty against loss of light transmission**
Standard Glazing Warranty Includes Change in Light Transmission of No More Than 6% (per ASTM D1003), and No Delamination of Panel Affecting Appearance, Performance, or Structural Integrity	**Yes**	**No**
Performance		
Impact Strength	350 ft-lbs	60 ft-lbs
Weathering/Impact Performance	Tested for building envelope performance *(including impact and wind load resistance)* after 10 years of exposure to Florida weather conditions (per ASTM 1866, 19962, & ASTM E-330) - *(real-time exposure, not accelerated)*	No published test data is available after 10 year exposure in Florida *Only artificial accelerated test simulations are provided*
Florida Product Approval for High Wind Load Impact Hurricane Conditions	Yes - Standard configuration	Yes - *in limited configurations*

Performance		
Light Transmission (with U-Factor of 0.29 per NFRC 100)	Up to 52%	Up to 30%
Full Light Spectrum	Yes - Glazing supports the full color spectrum of natural light, in particular Blue light, which provides the many benefits of natural light.	Yes, but not after the panel begins to discolor and deteriorate, which may occur after only a few years.
UV Protection	Co-extruded within the panel's surface. Will maiantain it's integrity and performance over the entire life of the system. Filters out over 99% or harmful UV rays.	External UV coating is applied to the panel. Can be compromised if scratched and will deteriorate over time. Highly flammable, and must be removed for Class A systems.
Drainage System for Water Protection	Yes - Internal gutter system	No
Water Infiltration	Tested and approved per ASTM E-331	Request independent certified test reports for the system being used on the project
Air Infiltration	Tested and approved per NFRC 400	
Rain Screen	Yes - the most advanced building envelope protection	No
Recyclable	Polycarbonate is 100% recyclable	Fiberglass cannot be recycled
Fire - Self Ignition Temperature (per ASTM 1929)	1100° F	650° F
Fire Safety	Self-venting, allowing for release of hazardous gas, smoke, and fumes	Hazardous gas and fumes remain and build with fire source
Self-extinguishing When Fire Source is Removed	Yes	No
Fire Burn Extent for Interior Skin (per ASTM D636)	CC1 Rated	CC1 Rated
Fire Burn Extent for Exterior Skin (per ASTM D636)	CC1 Rated	CC2 Rated *CC1 is available with a modified exterior face sheet which may adversely effect the weather performance*
Interior Flame Spread and Smoke Development (per ASTM E84, UL723)	Class 1 (A) Rating	Class 1 (A) Rating
Class A, B & C Roof Construction (per ASTM E108)	Yes	Yes* **with modified exterior panel that has significantly less color stability (a reduction of 4 CIE Units Delta E per ASTM D 224) and a lesser warranty*
Class A, B & C Roof Covering Burning Brand (per ASTM E108 and IBC 2601.3)	Yes	Yes
Approved Light Transmitting Material (per IBC Chapter 26)	Yes *Polycarbonate is referenced as "thermoplastic"*	Yes* *Fiberglass is referenced as "thermoset plastic"*
ICC Evaluation Report	ICC Report # ESR 1253 *Compliant with Section 1703 of the International Building Code (IBC)*	Yes

Solar Performance Data for Panel Only & System - per NFRC Standards

NFRC 100 - Insulated U-Factor 10mm / 10mm			
Glazing Panel Options	**Panel Only** (Center of Glass)	**System - Panel & Frame** (width x height)	
		2000mm x 2000mm (79" x 79"), mill	**2000mm x 6096 mm (79" x 240"), mill**
10mm/10mm - no added insulation insert	0.23	0.28	0.26
10mm/10mm - with nano 228 insulation insert	0.13	0.17	0.16
10mm/10mm - with super nano insulation insert	0.07	0.11	0.09

NFRC 202 & 201 - 10mm/10mm - Visible Transmittance & Solar Heat Gain								
-- Refer to the table above for the insulation value that corresponds with each insert type --								
Glazing Panel Combination			**Panel Only** (Center of Glass)		**System - Panel & Frame** (width x height)			
					2000mm x 2000mm (79" x 79"), mill		**2000mm x 6096 mm (79" x 240"), mill**	
Exterior	**Interior**	**Additional Insert**	**VT%**	**SHGC**	**VT%**	**SHGC**	**VT%**	**SHGC**
Clear	Clear	-	42%	0.44	37%	0.40	39%	0.41
Clear Matte	Ice White Matte	-	*30%	*0.37	*27%	*0.33	*28%	*0.34
Ice White Matte	Ice White Matte	-	25%	0.35	22%	0.32	23%	0.33
Green	Clear Matte	-	*40%	*0.42	*35%	*0.38	*37%	*0.39
Clear Matte	Clear Matte	-	35%	0.39	31%	0.35	33%	0.37
Blue	Clear Matte	-	25%	0.40	22%	0.36	23%	0.38
White Pearl Low-E	Clear Matte	-	18%	0.24	16%	0.22	17%	0.23
Clear Matte	White Matte	-	*24%	*0.32	*21%	*0.29	*22%	0.30
Ice White Matte	White Matte	-	*19%	*0.30	*17%	*0.27	*18%	*0.28
White Matte	White Matte	-	13%	0.25	11%	0.23	12%	0.23
Clear Matte	Clear Matte	nano 228 insulation	11%	0.18	10%	0.17	10%	0.17
Clear Matte	Clear Matte	super nano insulation	12%	0.19	11%	0.18	11%	0.18

Solar Performance Data - Panel Only (Center of Glass) per ASTM/Calorimeter				
Glazing Panel Color Combinations[a]		**Visible Light Transmittance**[b]	**Solar Heat Gain Coefficient**[c]	**U-Factor Panel Only** (Center of Glass)
Exterior	**Interior**	**VT%**	**SHGC**	
Clear	Ice White Matte	41%	0.41	0.23
Ice White	Ice White Matte	38%	0.34	0.23
Green	Ice White Matte	37%	0.34	0.23
Ice White Matte	Ice White Matte	36%	0.31	0.23
Bronze	Ice White Matte	24%	0.32	0.23
Blue	Ice White Matte	23%	0.32	0.23
White	Ice White Matte	17%	0.24	0.23
Clear	Clear Matte	52%	0.41	0.23
Clear Matte	Clear Matte	50%	0.39	0.23
Ice White	Clear Matte	44%	0.37	0.23
Green	Clear Matte	43%	0.37	0.23
Ice White Matte	Clear Matte	38%	0.34	0.23
Bronze	Clear Matte	27%	0.33	0.23
Blue	Clear Matte	27%	0.35	0.23
White	Clear Matte	18%	0.28	0.23
Clear	White Matte	19%	0.18	0.23
Ice White	White Matte	17%	0.17	0.23
Green	White Matte	15%	0.17	0.23
Bronze	White Matte	8%	0.15	0.23
Blue	White Matte	8%	0.17	0.23
White	White Matte	7%	0.13	0.23
White Pearl Low E	Clear Matte	30%	0.22	0.23
White Pearl Low E	Ice White Matte	24%	0.21	0.23
White Pearl Low E	White Matte	10%	0.12	0.23

Notes:

a. Color tint variations effect the solar performances of the glazing. Color tints and insulation levels may be adjusted or customized to achieve other desired solar, optical, insulation and solar heat gain coefficient performance results.

b. The visible optical properties were measured using a Licor visible light meter, and a blackened TRA box, under clear sky conditions, with the sun as the energy source, following the ASTM E 972-88 standard.

c. The Solar Heat Gain Coefficients were measured using two side-by-sides, water-flow solar calorimeters. The calorimeter test system and the procedure used follow the methodology and procedures given in the NFRC/ASTM Calorimeter Standard, NFRC 200, or other acceptable calculation method.

*Indicates values that are calculated based on NFRC certification and the methodologies and procedures per NFRC 100/200/500.

CPI Daylighting
Building Envelope Solutions

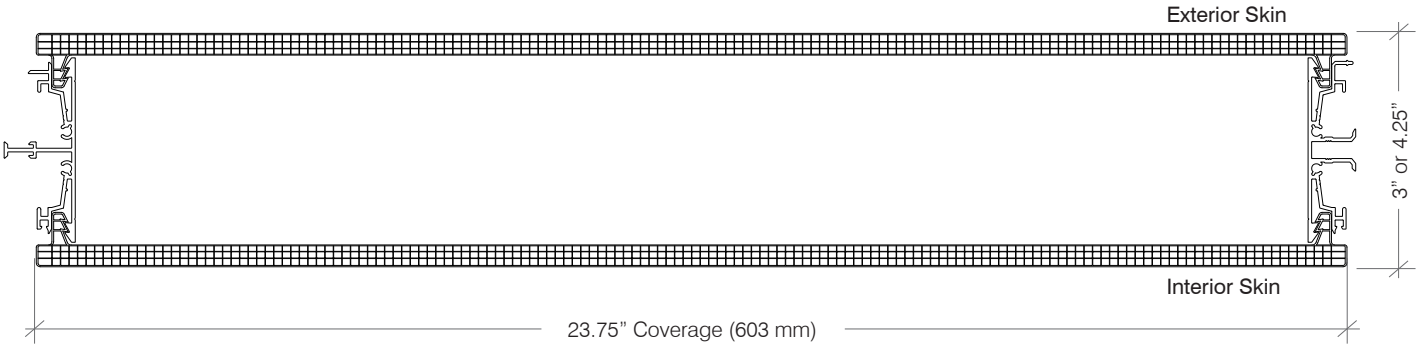
UniQuad®

Product Data Sheet

Unitized Translucent
Wall Panel System

Product Specifications

Thickness:	4.25 in (108 mm) & 3 in (76 mm)
Width:	2 ft nominal (23.75 in) (603 mm)
Length:	Up to 44 ft long
Panel Weight:	1.5-2 lbs/ft²
Technology:	Removable Skin Technology (RST) - Allows for the removal of the exterior panel while the interior panel remains in place
Panel Joint:	Structural member, mechanically interlocking, sealed joint
Exterior Skin:	10 mm Pentaglas® translucent panel with Nano-Cell® extrusion
Interior Skin:	10 mm Pentaglas® translucent panel with Nano-Cell® extrusion
Color Options:	Standard - Clear matte, white matte, ice white matte, blue matte, green matte Consult KLA for other available color options, including bronze matte, gray matte, white pearl low-E, and other exotic colors Note: all colors are available with a non-matte finish upon request
Bi-Color System:	Option to select one color for the exterior glazing panel, and a different color for the interior glazing panel



UniQuad®

Product Data Sheet

Unitized Translucent
Wall Panel System

Test Description	Test Procedure	Results & Comments
Code Compliance, IBC	ICC -ES report ESR-1253	Complies as specifically detailed in the ESR-1253 report
Uniform Load Structural / Spans	ASTM E330	*Consult KLA for job specific span capabilities
Cyclic Test	ASTM E1886	Pass- 100 psf, Wind Zone 4
Large Missile Impact	ASTM E1996 / E 1886	Pass - Missile Impact Level D, Wind Zone 4
	FBC 2014, TAS 201	Pass - Missile Impact Level D, 354 lbf-ft
High Velocity Hurricane Zone (HVHZ)	TAS 201, 202, 203	FL17695 - Approved for design load of +/-100 psf Higher loads or larger spans are available. *Consult KLA for job specific span capabilities
Concentrated Load 3" Diameter	ASTM E661	No Damage, 400 lbf load
Concentrated Load 1 sqf Area	(OSHA) 29 CFR Section 1910.23(e)(8)	No Damage 600 lbf load
	California Code of Regulation Title 8, Section 1632 (b)(3)	No Damage 600 lbf load
	California Code of Regulation Title 8, Section 3212(b)	No Damage 600 lbf load
Water Penetration	ASTM E331	Pass - 15 psf
Air Infiltration	ASTM E283	Pass requirements per NFRC 400 at 1.57 psf and 6.24 psf
		Canadian CSA Standard
U-Factor	NFRC 100	0.23 to 0.08 center of glass
SHGC	Calorimeter	0.41 to 0.08 subject to color selections
Fire	ASTM E1929, D2843, D635	Approved light transmitting plastic with CC1 Rating
Interior Flame Spread	ASTM E84,CAN/ULC,S102.2-M88	Class A Rating
Sound Transmission Loss - STC	ASTM E90, E413, E1332, E2235	Standard STC rating is 26 Special panels with acoustical inserts are available at STC rating of 30-43

**Spanning capabilities are dependent on project specific design loads, which are determined based on several different factors, including location on the building, height above ground, wind speed, etc.*

Span Guidelines

Panel Thickness	Design Load (PSF)	Allowable Span (ft)
4.25 in	20	12.55 ft
	30	10.96 ft
	40	9.96 ft
	60	8.70 ft
	100	7.15 ft
3 in	20	8.10 ft
	30	7.08 ft
	40	6.43 ft
	60	5.62 ft
	100	4.65 ft

***Note:** The spans specified are intended to serve as a guide only. Spanning capabilities are governed by the International Building Code (IBC) and the deflection limitations as per IBC table 1604.3. Longer spans can be achieved for applications allowing larger deflections than stated per the IBC.*

Deflection is limited to 1/120 of clear span for each assembly component of aluminum framing and panel joint in accordance with IBC Table 1604.3 for exterior walls with flexible materials.

KINGSPAN LIGHT + AIR | CPI DAYLIGHTING is engaged in continuing research to improve its products. Therefore, the right is reserved to modify or change the data provided in this Technical Summary without notice. This is descriptive literature and does not constitute warranties, expressed or implied. For statement of warranty, contact KLA. The above tests were performed and verified by certified independent third parties. If you have questions on a specific test or product, please contact a KLA Representative. Kingspan Light + Air | CPI Daylighting does not assure compliance with any plans or specifications and it remains the responsibility of the customer to confirm compliance of the product with applicable local, state, and national codes and other laws or regulations.

Kingspan Light+Air | CPI Daylighting Building Envelope Solutions

28662 N. Ballard Dr.
Lake Forest, IL 60045
www.cpidaylighting.com

P 800.759.6985
847.816.1060
F 847.816.0425

Request for Information 000.PB046

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB046 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Pegboard

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/23/2019**

101100 Visual Display Units – A pegboard is shown on 10/A704, but no specifications are provided. Please advise manufacturer make and model.

Suggestion

Answer | **Date Answered:**

Pegboard shall be 4' x 8' poly board with 9/32" diameter holes at 1" apart.

Request for Information 000.PB047

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB047 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Wall Coverings	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/23/2019**

Regarding 097200 Wall Coverings:

a. Para. 2.2.D indicates the total size as 15 ft wide x 8 feet high. Is this the required size for each mural or all (5) in total?

b. Para 2.2.D indicates 54” material. The printable area works out to approximately 52” and an additional overlap requirement. Therefore we propose setting up wall sections as ‘murals’ and not ‘panels’, please confirm this is this acceptable.

c. Para 2.2.B – please confirm Wolf Gordon Dreamscape wallcovering material is acceptable, (cut sheet attached)

d. Is there specific color matching requirements to a paint reference and/or a PMS color? If so, please confirm how many different colors are required as there are extra fee for color matching.

Suggestion

Answer — **Date Answered:**

a. Each mural is 15 ft wide x 8 ft high.
b. This is acceptable.
c. Wolf Gordon is an acceptable manufacturer.
d. There are no color matching requirements. Each mural is a nature scape that will infill a full space within the wall.

DreamScape® Technical Sheet

v:05142013

Product Name: DreamScape Vinyl Wallcoverings

Description: Commercial grade printable vinyl wallcovering media for modern wide format inkjet printers.

Construction: Ultra-white embossed vinyl face with laminated fabric backing. Backing is poly-cotton woven or polyester/pulp non-woven depending on face emboss.

Packaging: 3" core, wound print side out, wrapped in black poly-bag, shipped in heavy-duty cardboard tube

Installation: Standard commercial wallcovering pastes, primers and techniques.
For indoor use in environmentally controlled spaces.

Ink Compatibility: Solvent, eco-solvent, uv curable and HP Latex

Availability:

Roll sizes:	Widths: 54", 60", 75"
	Lengths: 25yds, 50yds, 100yds
	Trial Roll (27"x15')

Weight:

Product weight (total):	20oz. Per lineal yd. (13 oz. per Sq. yd.)
Vinyl weight:	17.0oz. Per lineal yard
Fabric Weight:	2.7oz. Per lineal yard
Adhesive:	0.3oz. Per lineal yard
Thickness	0.015 to 0.030 in.

Type II Properties:

Breaking Strength, lbs force	
Machine Direction-warp:	Exceeds Type II minimum of 50lbs.
Cross Machine Direction-fill:	Exceeds Type II minimum of 55lbs.
Tearing Strength, Scale	
Machine Direction-warp:	Exceeds Type II minimum of 25lbs.
Cross Machine Direction-fill:	Exceeds Type II minimum of 25lbs.
Cold Crack Resistance @ 20° F.	No Change
Heat Aging (7days at 158° F)	Does not become stiff, brittle, discolored or show loss of grain

Specifications:

Federal Specification:
CCC-408-D Type II*

WA Specification:
W-101 Type II

Fire Test Ratings:

ASTM-E84 Tunnel Test	Class A
NFPA Life Safety Code 101	Class A
NFPA 286 Corner Burn Test	Class A
BS476 Parts 6&7	Passed all requirements
CAN/ULC-S102.2	Passed all requirements
EU Class Flame (EN 15102)	Passed Class B, s2

Mold/Mildew: ASTM-G21 Specifications — Passed all requirements

Environmental:
Made with Low VOC vinyl
Tested per CA-1350 Air Quality Standards
Cadmium and Lead Free Formulation
DreamScape vinyl construction waste and after use material can be returned to Roysons for recycling back into wallcovering and other industrial products as part of the Roysons Reclamation Program. For details visit: http://www.roysons.com/

Warranty: 5 Year Warranty against manufacturing defects. Additional information regarding warranty is available on our website at http://www.dreamscapewalls.com/

Comments: *Meets or exceeds requirements for flame spread, smoke developed and flashover.

Request for Information 000.PB050

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB050 | **Date Submitted: 7/17/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Canyon Contracting, Inc. 1012 Rising Ridge Road Mt. Airy, Maryland 21771

Author RFI Number

Subject	Trade Contractor
Concrete Site Walls	Canyon Contracting

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/24/2019**

Please confirm site walls #1, #2, #3, & #4 are cast in place as shown on C-3U , and provide a cut detail for these walls.

Please provide the form liner pattern, mix that is to be used, and clarify if the walls require integral concrete color additives.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
All walls are cast in place. See details on addendum 5 drawings, The form liner is shown on sheet C-3U, There is NO Integral color.

Request for Information 000.PB052

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB052 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Shower Curtains

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/23/2019**

Are shower curtains to be provided as Bobrick (N) as indicated in spec 102800-2.3.F or as Inpro (PC-3) as indicated in spec 102123-2.3.B.2?

Suggestion

Answer | **Date Answered:**

All shower curtains are Inpro per Spec Section 10 21 23.

Request for Information 000.PB053

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB053 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Frederick County Public Schools 191 South East Street Frederick, MD 21701-5918	Brian Staiger	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Plan Holders List	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/23/2019**

Can a copy of the Plan Holders List be provided?

Suggestion

Answer — **Date Answered: 7/31/2019**

Plan Holders List issued with Addendum #5

Request for Information 000.PB056

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB056 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Bituminous Coating at HM Frames

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/23/2019**

Bituminous coating at HM frames installed in masonry/concrete partitions is not called for in spec 081113 – please confirm none is required.

Suggestion

Answer | **Date Answered:**

ADD paragraph 08 11 13-2.9.B.4 as follows:

4. Bituminous Back Coating: Field- or factory-applied bituminous coating applied to concealed surfaces of door frame and anchors, water-based, GreenGuard certified, VOC-free, HAPS free.

a. Locations: Frames in exterior walls, regardless of material, and frames in interior masonry walls.

Request for Information 000.PB058

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB058 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Missing HW Sets

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/23/2019**

Openings 020A/1, 020A/2, 610/1 and 717/1 on A602 have no hardware set assigned – please clarify.

Suggestion

Answer | **Date Answered:**

Hardware for these openings shall be as follows:
- 020A/1 - Similar to HW #03A, but adjust quantity of each item from "2" to "1"
- 020A/2 - HW #45A
- 610/1 - HW #14
- 717/1 - HW #11

PAA Response - 7/30/2019

Request for Information 000.PB059

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB059 | **Date Submitted: 7/16/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
HW Sets A801	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/23/2019**

Several opening on the Door Schedule at A801 have no hardware set assigned – please clarify.

Suggestion

Answer — **Date Answered:**

Please see revised sheet A801, included in Addendum #5, for addition of HW sets. Note that doors 005A/2 and 006/1 shall have cardreaders mounted on the interior side that will require occupants to swipe out for exit. If egress is attempted without the card swipe, an alarm shall sound.

PAA Response - 7/30/2019

Request for Information 000.PB063

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB063 | **Date Submitted: 7/17/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Altimate Electric 1008 Rising Ridge Rd. Mt Airy, MD 21771

Author RFI Number

Subject

DAS System

Trade Contractor

Altimate Electric

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/24/2019**

Will this project require a DAS system?

Suggestion

Answer | **Date Answered:**

A DAS system is not scoped for this project.
However, upon completion The Authority Having Jurisdiction (AHJ) will test the radio signals in the building. There may be sufficient signal coverage. If not, an emergency radio system would be required.

Request for Information 000.PB065

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB065 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	O'Leary Asphalt 9629 Dr. Perry Road Ijamsville, MD 21754

Author RFI Number

Subject

Striping at Play Area

Trade Contractor

O'Leary Asphalt

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

We could not figure out what the striping for the area attached is. Please advise.

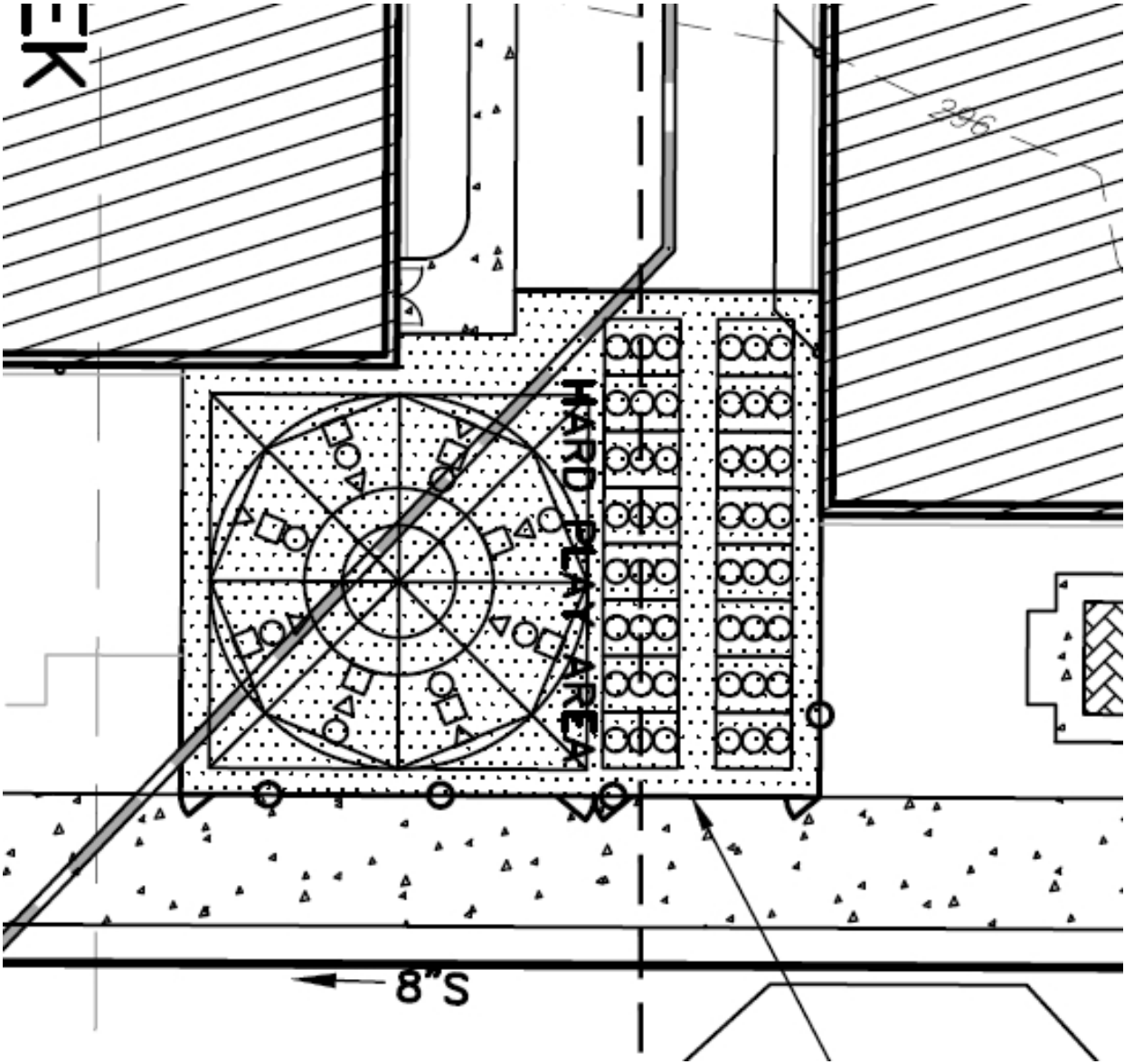
Suggestion

Answer | **Date Answered:**

RFI Response - 7/22/19 JRB ADTEK Engineers, Inc.

The markings are for the Bankshot Equipment. See contact below.

http://bankshot.com/index.html


HARD PLAY AREA
8"S

Request for Information 000.PB066

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB066 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Patient Care Equipment	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/25/2019**

Regarding spec 117300 – Patient Care Equipment:

a. Para. 2.1.A – As the structural support system for the Patient Lifts is called out (note 16/S102D) and detailed (14/S401) on the Structural drawings please clarify what works is required by 06A as it relates to “Delegated Design”.

b. Para. 2.2.B.2 calls for Model #2805. We understand Model 2500 is required. Please clarify.

c. Para. 2.2.C indicates 717-Sensory Room is to receive a transverse rail however none appears to be shown on A104D – please clarify.

d. Note 16/S102D calls for the Suspended Therapy Lift steel to be rated for a maximum supported weigh of 300 lbs. Spec 117300-2.2.E.1 calls for the lift/hoist to have a safe working load of 440 lbs. Please confirm the Suspended Equipment Support System (provided by 05A) will safely support the lift/hoist working load requirements.

e. Para. 2.2.F – Please clarify the required quantity and sizes for each sling type specified.

f. Para 2.2.H – Please clarify the quantity of mobile lifts required.

Suggestion

Answer — **Date Answered:**

a. Defer to Dustin for clarification on scoping. Refer to PB105 for scoping

b. Specification Model Number was revised to #2800 as part of Addendum 04.

c. Lift Track rails are shown and labeled on A104D.

d. The detail provided will meet the requirements.

e. Slings are not part of the contract and will be provided by Owner.

f. Quantities were clarified as part of Addendum 04.

Request for Information 000.PB067

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB067 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Literature Racks

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

112800 Office Equipment: Please advise as to the locations and quantities for the Literature Racks (LR-1) as we are unable to locate them on the drawings.

Suggestion

Answer | **Date Answered:**

A literature rack will not be required on this project.

Request for Information 000.PB069

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB069 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Exercise Equipment	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/25/2019**

116613 Exercise Equipment –

a. Para 2.4.A calls for wall-mounted adjustable dance barre, elevations (18/A702 and 3/A808) appear to show floor mounted dance barres. Please clarify.

b. Elevations 3/A808 and 18/A702 call for 12' long dance barres. The BOD manufacturer offers only 10' or 14' barres. Please confirm standard 10' or 14' barres are acceptable and advise to which size should be provided.

Suggestion

Answer — **Date Answered:**

a. Provide adjustable, wall-mounted barres per Section 11 66 13.

b. Provide (1) 14' barre at Movement Room 718 (int. el. 18/A702) and (2) 14' barres at P&R Activities 914 (int. el. 3/A808). Barre length should extend the full width of the (3) 4' wide mirrors at Movement Room 718 and (6) 4' wide mirrors at P&R Activities 914 and accommodate wall mounting space between mirror sections, as required.

Request for Information 000.PB071

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB071 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Key Systems, Inc. 10839 Philadelphia Road White Marsh, MD 21162

Author RFI Number

Subject	Trade Contractor
Electric Vehicle Charging Equipment	Key Systems

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Specification 262653 Electric Vehicle Charging Equipment

Q: None shown on drawing is this specification to be deleted?

Suggestion

Answer | **Date Answered:**

Provide 6 spaces as future EV. Spaces shall be located near the accessible parking spaces, with final locations to be determined, and must meet the following requirements:

- Install listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.
- The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter).
- The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or enclosure in close proximity to the proposed location of the EV space.
- The service panel and/or subpanel shall provide capacity to install a 40-ampere minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.

PAA Response, 07.30.19

Request for Information 000.PB077

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB077 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Panda Windows 3415 Bellington Road Las Vegas, NV 89030

Author RFI Number

Subject	Trade Contractor
Folding Door Substitution Request	Panda Windows

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Substitution Request for specification section 083513

Suggestion

Answer | **Date Answered:**

Substitution Request is not approved due to lack of testing data for sound performance and swinging panel operation cycles.

PAA Response - 7/30/2019

PANDA WINDOWS & DOORS™

3415 Bellington Rd.
N. Las Vegas, NV 89030
P. (702) 643-5700
F. (702) 643-5715

SUBSTITUTION REQUEST FORM

Request Date: 7/15/2019 Bid Date: 8/1/2019

Project: Rock Creek school Replacement Project

Location: 191 Waverly Dr, Frederick, MD 21702 Job No.: 2017171.00

To: Proffitt & Associates Architects
(Architect of Record)

Address: 49 South Carroll Street

Frederick, MD 21701

SPECIFIED PRODUCT OR SYSTEM:

Section: 08 35 13 Name: Folding Doors

Description: NanaWall SL45

SUBSTITUTE PRODUCT OR SYSTEM:

Section: 08 35 13 Name: Folding Doors

Description: S.51 All-Aluminum folding Door

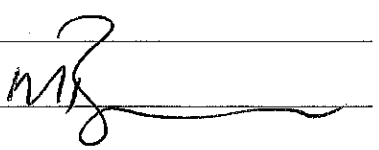
Substitution affects other materials or systems: YES ☐ NO ☒ If YES, attached complete data.

The following data is furnished herewith for evaluation of the substitution:

X	Catalog	X	Drawings		Samples		Test Reports

I/we have investigated the proposed substitution and believe that it is equal or superior in all respects to the specified project except as noted above and will pay costs to modify other parts of the Work as may be needed to make all parts of Work complete and functioning as a result of this substitution.

Firm: Panda Windows and Doors

Name: Mike Bozorgi Signature: 

Address: 3415 Bellington Road, N. Las Vegas, NV 89030

Phone: 702-643-5700 Email: mikeb@panda-windows.com

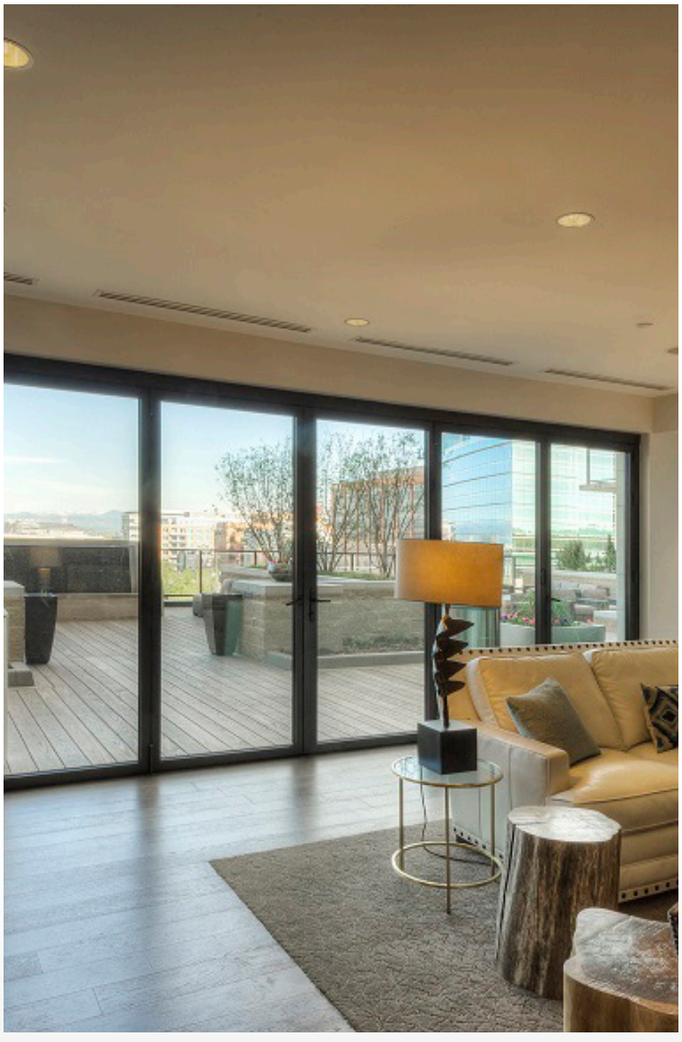
FOLDING DOORS

The Architects' Choice

TECHNICAL INFORMATION

PANDA
WINDOWS & DOORS

FOLDING DOORS



What is a Folding Door?

Also known as bi-fold systems, folding doors are a popular choice for maximizing openings up to 90% without the need for pocket areas. Functioning as top-hung systems when opened, they slide and stack perpendicular against one or both of the opening jambs – just like an accordion.

Applications and Uses

Folding doors are in demand for a reason - they are innovative, contemporary and easy-to-use. Our range comes with all the custom options you need.

Features and Benefits

➛ Pinch-proof, quadruple EDPM bubble gaskets between each panel ensures you can enjoy the beauty of the system without compromising your safety.

➛ Pinch-proof gaskets provide ease of mind - especially if young children are around.

➛ When open, the stacked system panels take up only 10% of the space (5% on each side, or 10% on one side), leaving the remaining 90% of the opening clear for foot traffic or enjoying uninterrupted views.

➛ The best option for opening up space other than a pocketed Multi-slide or Lift & Slide door.

➛ Daily doors (aka swing, egress, or flag doors) can be integrated into the system, allowing for easy entry and exit without having to open the entire system.

➛ The design is customizable and allows any system to have either an in-swing or out-swing configuration.

➛ Concealed throw-pins in the top and bottom tracks create a very secure system.

➛ A heavy-duty European grove-hinge anchoring system (10mm stainless steel pin) allows for tall and heavy panels.

➛ European hardware and Dalrin polymer rollers allow the system to roll smoothly, keeping the rollers from developing a flat side over time.

➛ Our unique 6063-T6 aluminum extrusions means Panda systems are more durable and reliable than our competitors', even with everyday use.

➛ "Ultra" systems are available for especially large openings - up to 14 feet tall.

➛ A bottom-running recessed track option is available (ideal to help carry the weight of very large systems).

Customizations

Panda fabricates every system according to your exact design and specifications. Choose from a variety of options, including the wood, track, handles, glass, finish and curved systems.

FINISH OPTIONS

Wood

Panda offers many different species for our wood-clad and all-wood systems. You can choose from: Stain Grade Pine, Paint Grade Poplar, African Mahogany, Clear Pine, Douglas Fir, Vertical Grain Douglas Fir, Maple, Birch, Cherry, Oak, Alder, Knotty Alder, Teak, and Walnut.

For options not listed or custom wood detailing requests, tell us your design goals and we can help make them a reality!

****Wood-clad systems utilize several cam locking mechanisms for ease of maintenance and wood replacement.**

**Ask about our finishes brochure and color samples.*

Powder Coat Finishes

Choose from numerous finish options to make your window or door system your very own. If you would like to create or match a custom color beyond what is offered as standard, just ask us how!

Twenty-five standard finish options are available as AAMA 2604 or 2605 powder coat, plus metallic/bonded, anodized, Kynar and Duranar finishes. In addition, all thermally-broken systems can be finished with a two-tone color scheme. Choosing the right finish for the environment your system will be installed in can be difficult, so our expert team is here advise on the best option for you!

Faux Wood

When your space needs more than a standard stock color, elevate your design with our wood grain textures.

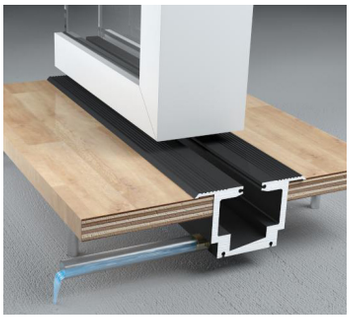
In response to the growing demand for LEED and GREEN builds, we are proud to be one of the first companies in the U.S. to incorporate this cutting-edge design into our aluminum products.

Providing the look of wood and durability of aluminum, faux wood provides a no-compromise solution that exceeds all expectations!

TRACK OPTIONS

2-1/4” Recessed Drainage Bottom Running Track

This track carries most of the weight of the system on the track itself to lessen the load on the header, enabling larger panel sizes.



2-3/16” Thermally Broken Standard Surface Track

Thanks to thermally isolating properties to divide inside and outside temperatures, this track offers improved energy efficiency performance. It is installed directly on top of the flooring and can be powder coated to match the system finish.

2-3/16” Standard Surface Track

Similar in design and installation to the 2-3/16” Thermally Broken Standard Surface Track, this is an option for non-thermally broken units. Can be powder coated to match the system finish.

2-3/16” Standard Surface Track (S.74 Out-swing Only)

Similar in design to the 2-3/16” Thermally Broken Standard Surface Track, but created with the ability to have a wood-clad interior surface. Perfect for installation that requires the track to be exposed.

2” Thermally Broken Recessed Drainage Track

Thanks to thermally isolating properties that create a barrier between inside and outside temperatures, this track offers excellent energy efficiency performance.

¾” Recessed Track

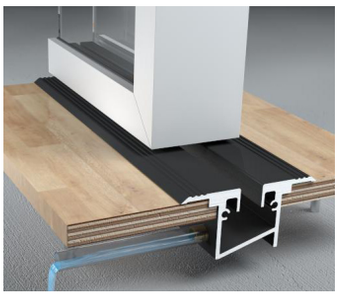
This is the smallest recessed track available for folding doors. It is recommended for interior applications or applications where there is full coverage of the door system.

1-1/2” ADA Recessed Drainage Track

This is an ADA compliant recessed drainage track ideal for commercial applications.

1-1/2” Recessed Drainage Track

This recessed drainage track is ideal for residential applications where the 2” Thermally Broken Recessed Drainage Track may be too large.



¾” Surface Track

Best for interior applications or applications with full coverage, ramps come standard on the interior and exterior, weep drainage options available.

½” Surface Track (A)

Best for interior or full coverage applications, the ramps come as standard on the interior and exterior.

½” ADA Surface Track (B)

This is an ADA compliant surface mounted track ideal for interior or full coverage applications. Ramps come as standard on the interior and exterior.

HANDLE OPTIONS

Choose from several designs for your Lift & Slide system. If you have something else in mind, our engineering team are here to talk to you about what is possible.

Panda 100

This is the standard throw handle. Finish is powder coated to match the system.

Panda 200

This pull handle (also known as a D-Ring), is used on every Folding Door system, including the Ultra, to pull door panels together to operate the throw handle when closing the system. Finish is powder coated to match the system.

Panda 300

An alternative throw handle design specifically for Ultra folding doors. Finish is powder coated to match the system.

Panda-V

An alternative throw handle design. Finish is powder coated to match the system.

Aria/Acacia

Swing door handles used on systems that incorporate daily-use doors. Choose from White, Bronze, Black, Brushed Chrome, and Satin Chrome.

Summit

Alternate swing door handle used on systems that incorporate daily-use doors. Choose from Bronze, Silver, Brushed Chrome, Brass, and Satin Chrome.

Panda-V (Lock)

Alternate swing door handle used on systems that incorporate daily-use doors. Finish is powder coated to match the system.

GLASS OPTIONS

Cardinal 270 Low-E glass is the standard option for all units. However we will work with you if you require a specific Low-E or no Low-E option, or advise on the best type of glass for your project.

***** Talk to us about customizing the style, texture or design of your glass, or our monolithic and bullet-proof options!***

NFRC RATINGS

CPD#
PDW-A-18-00018-00001

PRODUCT CODE
"E366 / Air / i89 - 1"" (1/4""-1/4"")"

U-FACTOR
0.34

Solar Heat Gain Coefficient
0.21

Visible Transmittance
0.44

CONDENSATION RESISTANCE
43

SEGMENTED RADIUS

Panda can create a truly segmented curved folding door system, otherwise known as a segmented radius system. A segmented radius system is typically used when an opening calls for a radius system, but you prefer a folding door unit over a sliding unit. Ask us about how we can work with you to build the right system for your design.

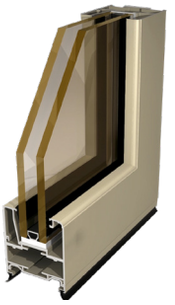
STILES/PANEL INFO

Model	Material & Construction	Panel Thickness	Stile & Rail Profile	Finish
S.51 Aluminum	Aluminum extrusions with wall thickness of up to 1/8"	2 ⅜"	2 1⁄16"	Powder Coat
US.51 Aluminum Ultra	Thicker aluminum panels for heavy duty applications	2 ⅜"	2 1⁄16" Articulating joint 1¼"	
TS.60 Thermally Broken	Thermal breaks create non-conductive bridge using polyamide iso-bars	2 ⅜"	2 1⁄16"	Powder Coat
UTS.60 Thermally Broken Ultra	Thermal breaks with thicker aluminum panels for superior performance	2 ⅜"	2 1⁄16" Articulating joint 1¼"	Dual color tone option
S.74 Aluminum Wood Clad	Wood panels lock onto aluminum extruision with operable clip for repairs	2 9⁄16"	2 13⁄16"	Powder Coat
TS.75 Aluminum/ Wood Clad Thermally Broken	Thermal breaks with wood cladding provide superior insulation and weather performance	2 9⁄16"	3⁄8"	Pine & Poplar unfinished
S.66 Solid Wood	Solid Exterior/LVL Wood Core	2 ½"	4"	Pine & Poplar unfinished

Aluminum (S.51)

Configured from two to countless panel groups, it uses an extruded aluminum track to fold smoothly to one side.

Point your phone camera here to view the Tech Sheets!



Thermally Broken Ultra (UTS.60)

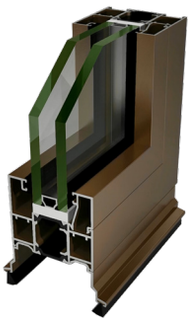
This door uses aluminum extrusions with a polyamide bar (material with low thermal conductivity), to connect the frame together while reducing heat or cold transfer.

Point your phone camera here to view the Tech Sheets!

Thermally Broken (TS.60)

Panda offers state-of-the-art thermally broken folding door systems for large openings in more extreme climates.

Point your phone camera here to view the Tech Sheets!



Aluminum/Wood Clad Thermally Broken (TS.75)

The thermally broken technology prevents the flow of thermal energy and provides better protection against the elements.

Point your phone camera here to view the Tech Sheets!

Aluminum/Wood Clad (S.74)

These attractive doors feature aluminum bent and folded over the exterior of the door to prevent weather from penetrating into the wood frame.

Point your phone camera here to view the Tech Sheets!

***** Point your Phone Camera here to view the Folding Door animation!***

Solid Wood (S.66)

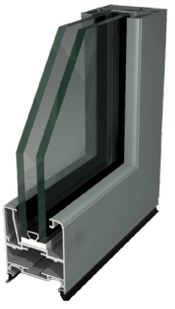
These folding doors are crafted using the finest woods available - all of which are sustainably harvested.

Point your phone camera here to view the Tech Sheets!

Aluminum ULTRA (US.51)

The All Aluminum ULTRA is ideal for commercial and industrial applications where high strength and maximum access is your goal.

Point your phone camera here to view the Tech Sheets!



The Panda SERIES 51 Folding Door System is custom made to order .

System:
The top track, bottom track and side profiles form a closed frame. Together with the doors, having aluminum rebates and gaskets, all act in compression.

Profiles:
Profiles are made of extruded aluminum with special ribs that ensure maximum hardness. The rounded forms and exclusive design make this glass folding door systems extremely pleasant and original. They allow a better surface treatment and are less subject to damage during transportation and installation.

Accessories:
Carriages with 4 covered wheels and protected ball bearings, double sliding rollers, exclusively designed handles with ergonomic grip, stainless steel screws and pins, special hinges are positioned in special housing not to disrupt the magnetic gaskets.

Running:
The S51 can operate with either top hung or bottom running carriages along a single inline track.

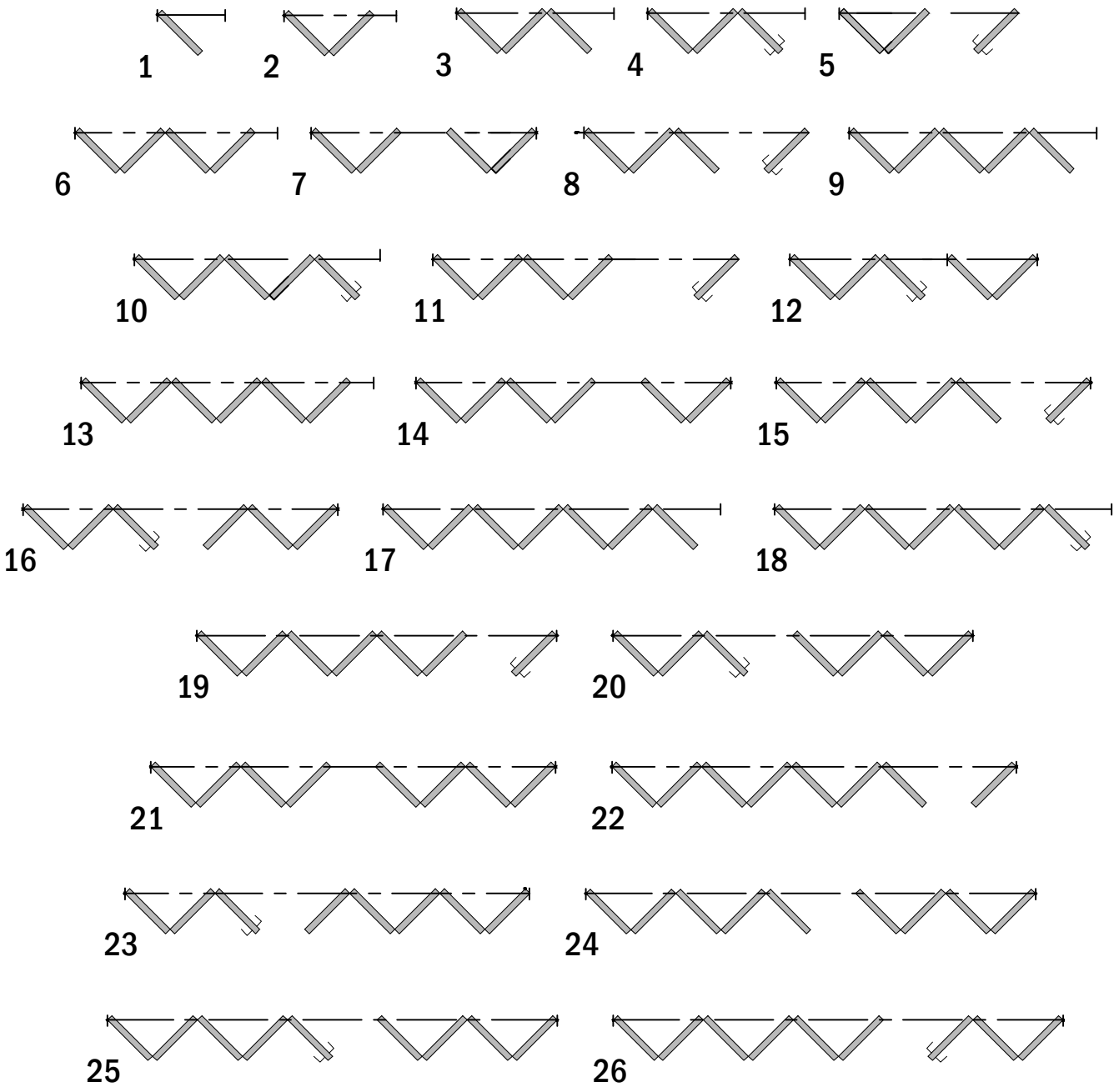
Folding:
The folding door system quickly, easily and silently folds to either side. There are 26 operational door typologies and when in the open position they maximize 90% of the total rough opening.

Dimension:
The individual panels in a system are always equal in size and can be a maximum of 42" wide and 144" high. Folding door systems can be as long as you like, as countless panel groups can be built which slide along the tracks and are connected with special joints and seals.

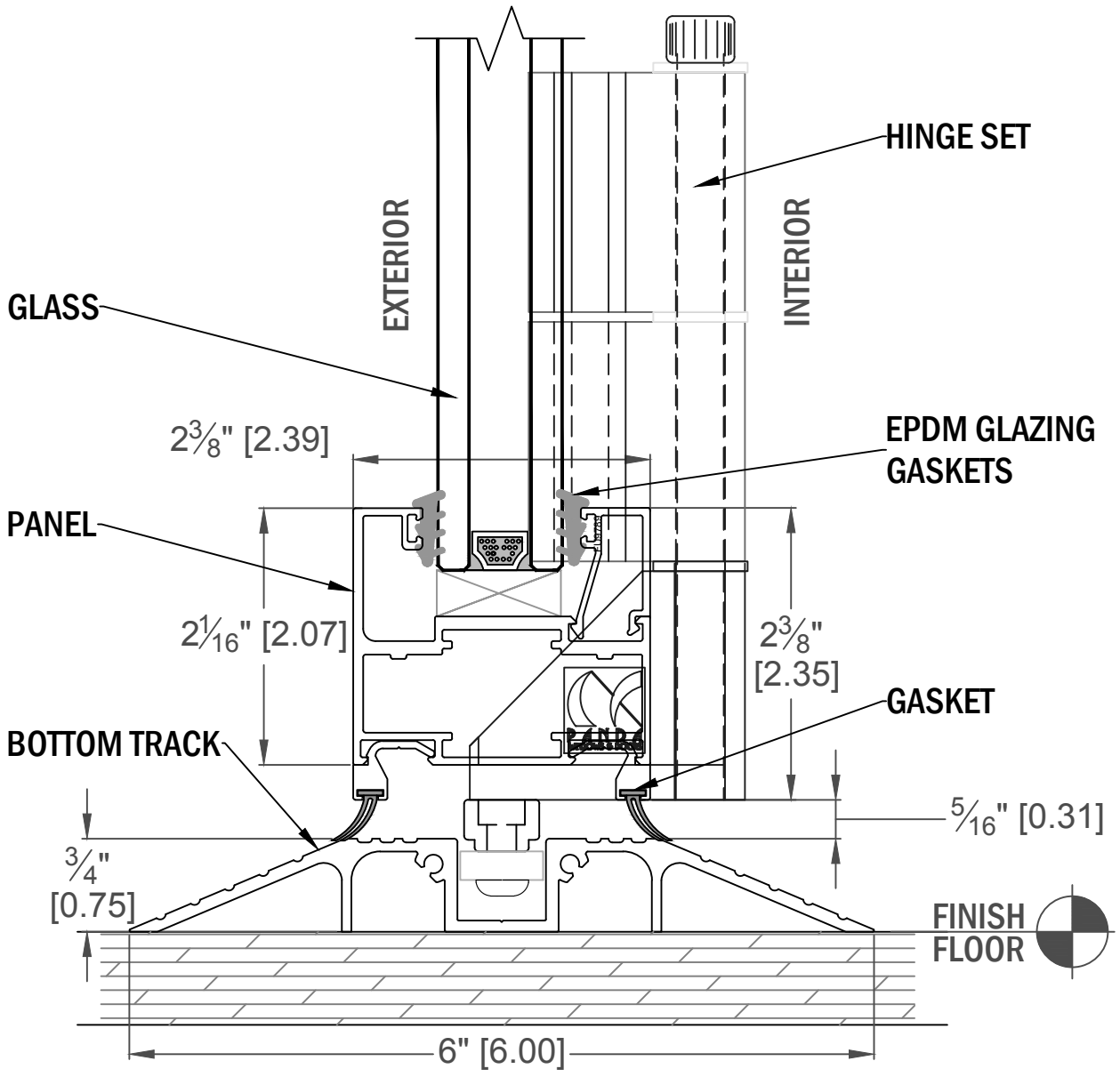
Glazing:
Various types of glass with a typical thickness of 1", may be used. The glass is shimmed by means of accessories located in the corners of the doors and is externally adjustable at any time.

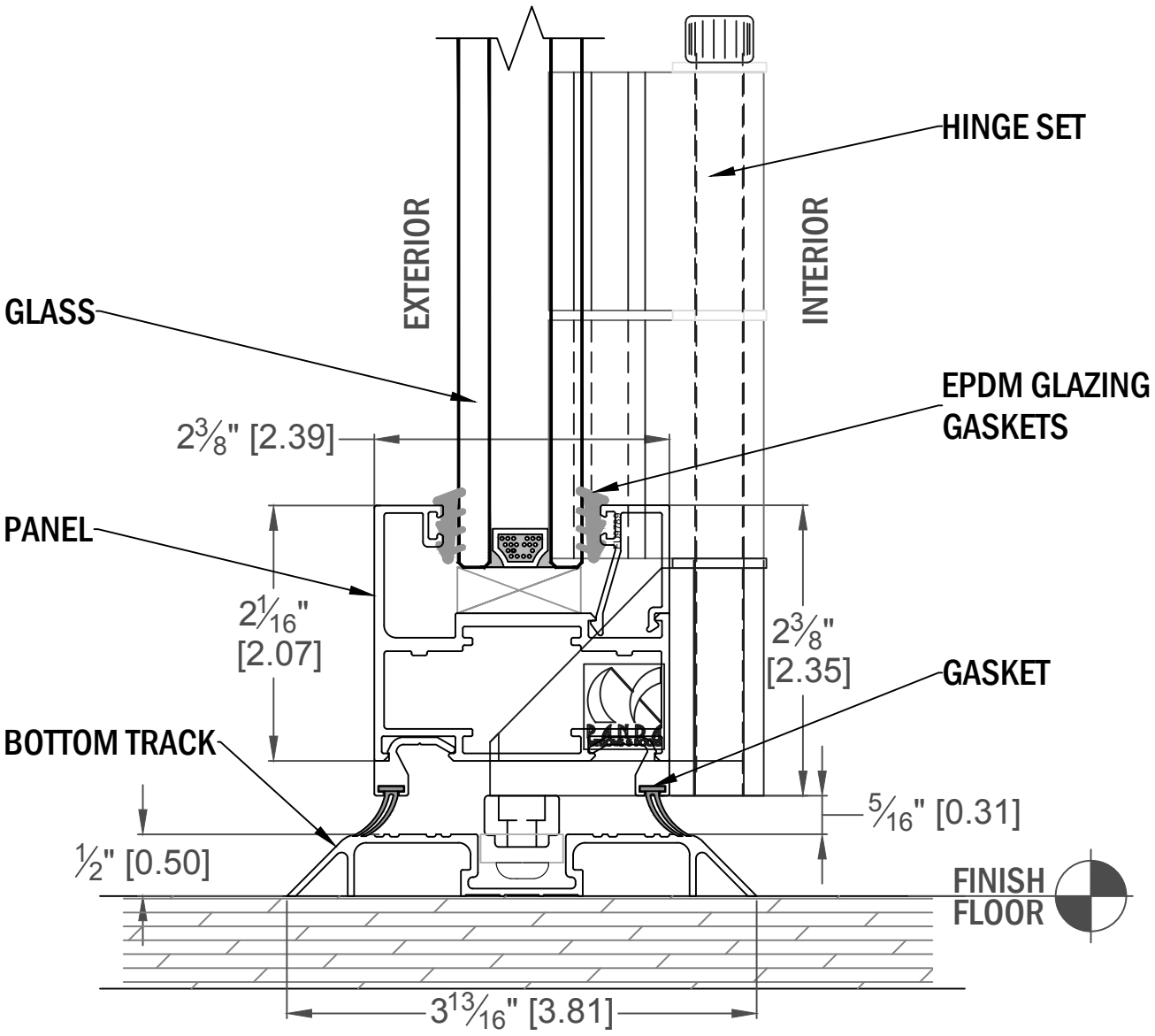
Weight:
Folding door systems, excluding fitting materials, weigh approx. 6 to 8 lbs/sqft, changing with the height and width of the panels.

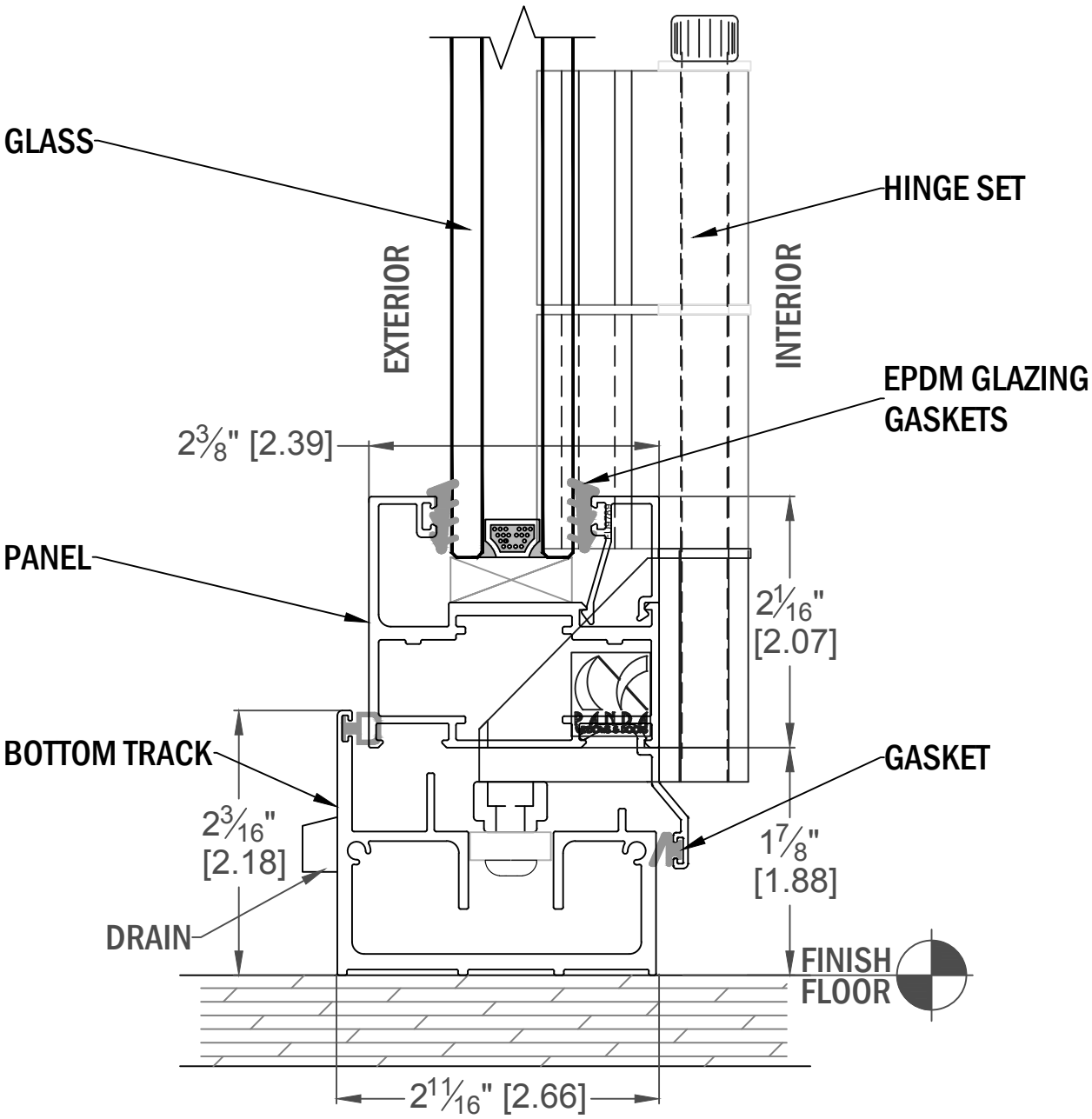
S51 AA
TYPICAL PANEL CONFIGURATIONS

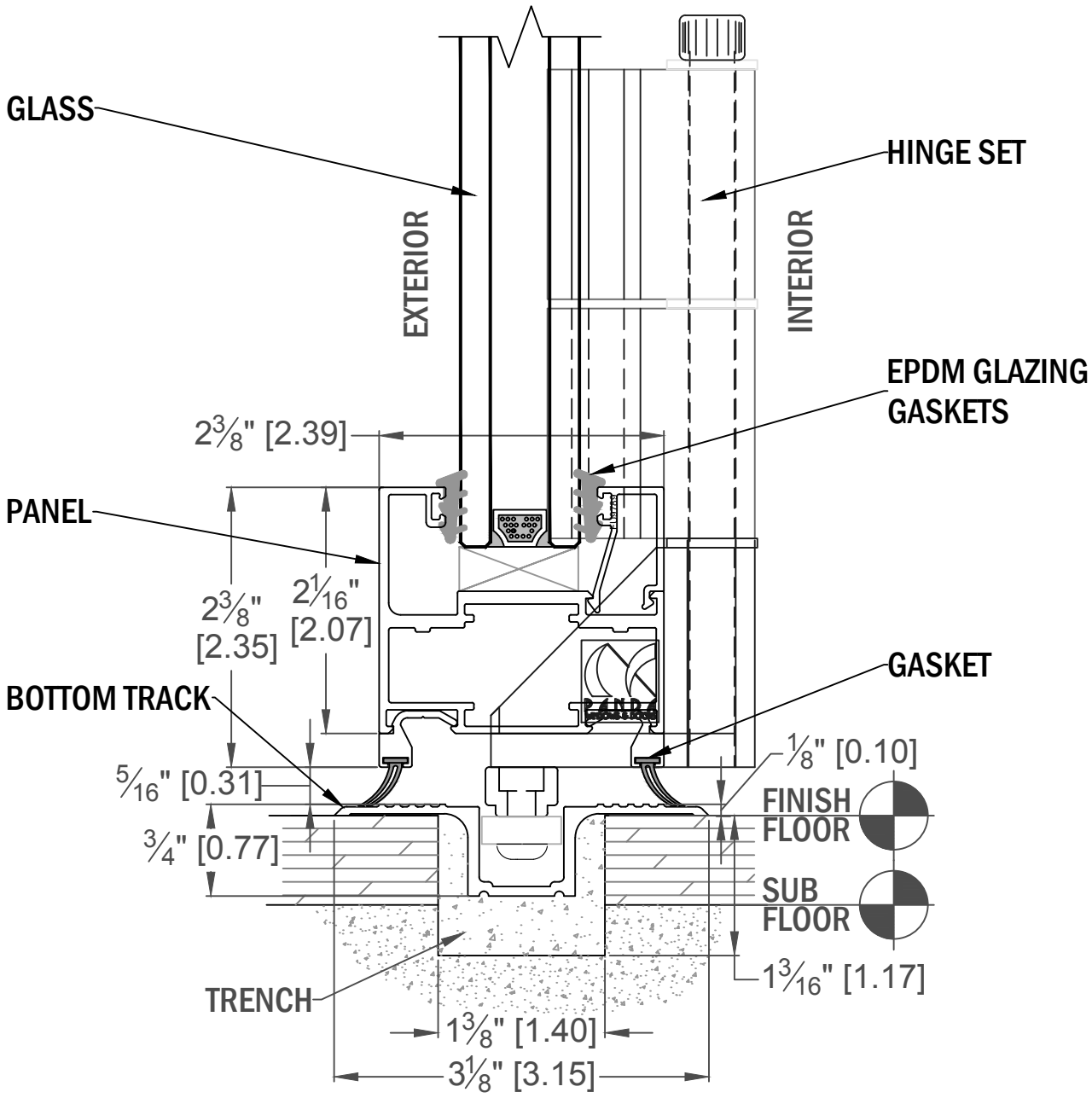


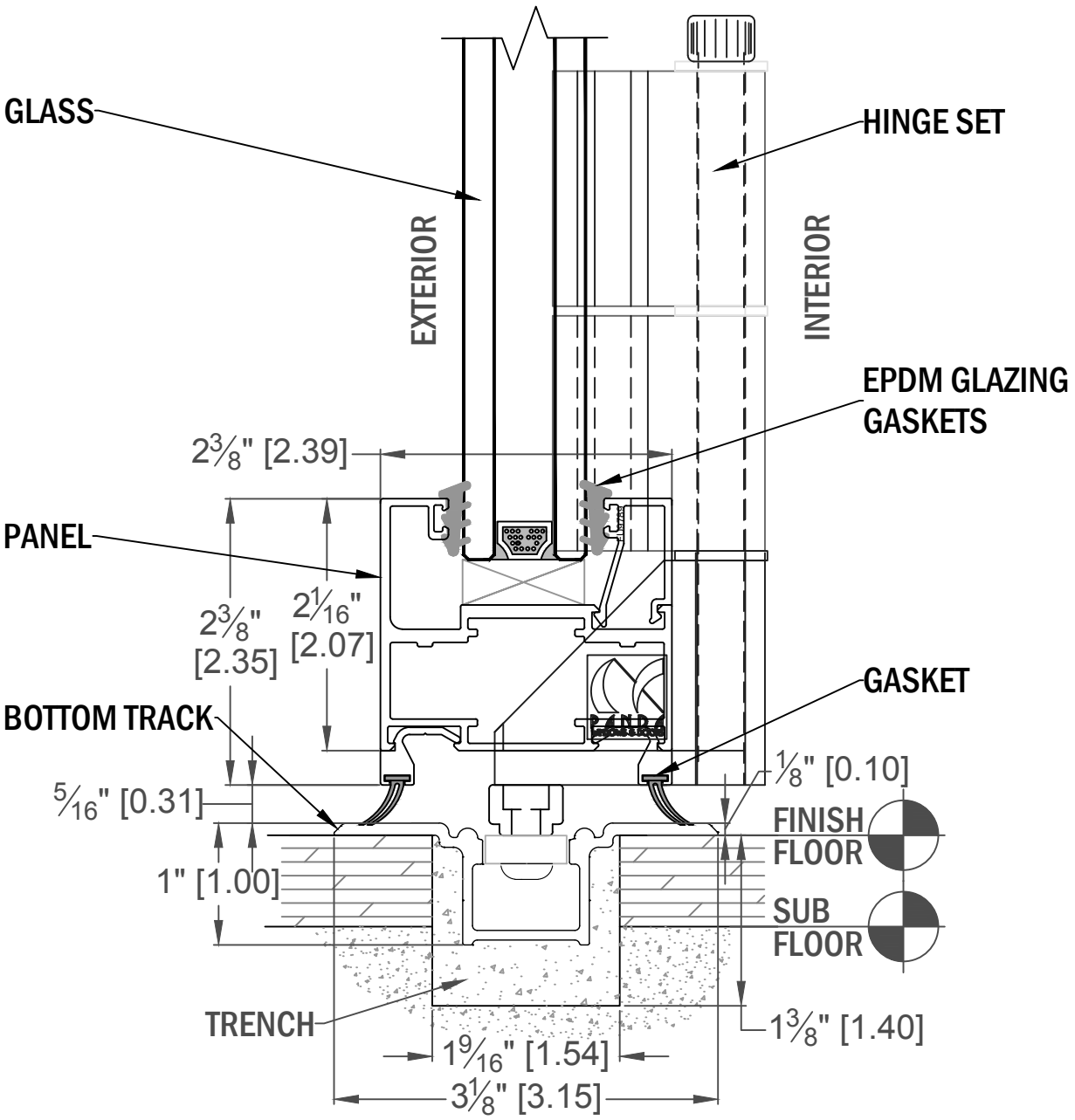
- PANEL WIDTHS UP TO 42 INCHES
- PANEL HEIGHTS UP TO 144 INCHES
- INSIDE AND OUTSIDE 90° CORNER CONFIGURATION ALSO AVAILABLE

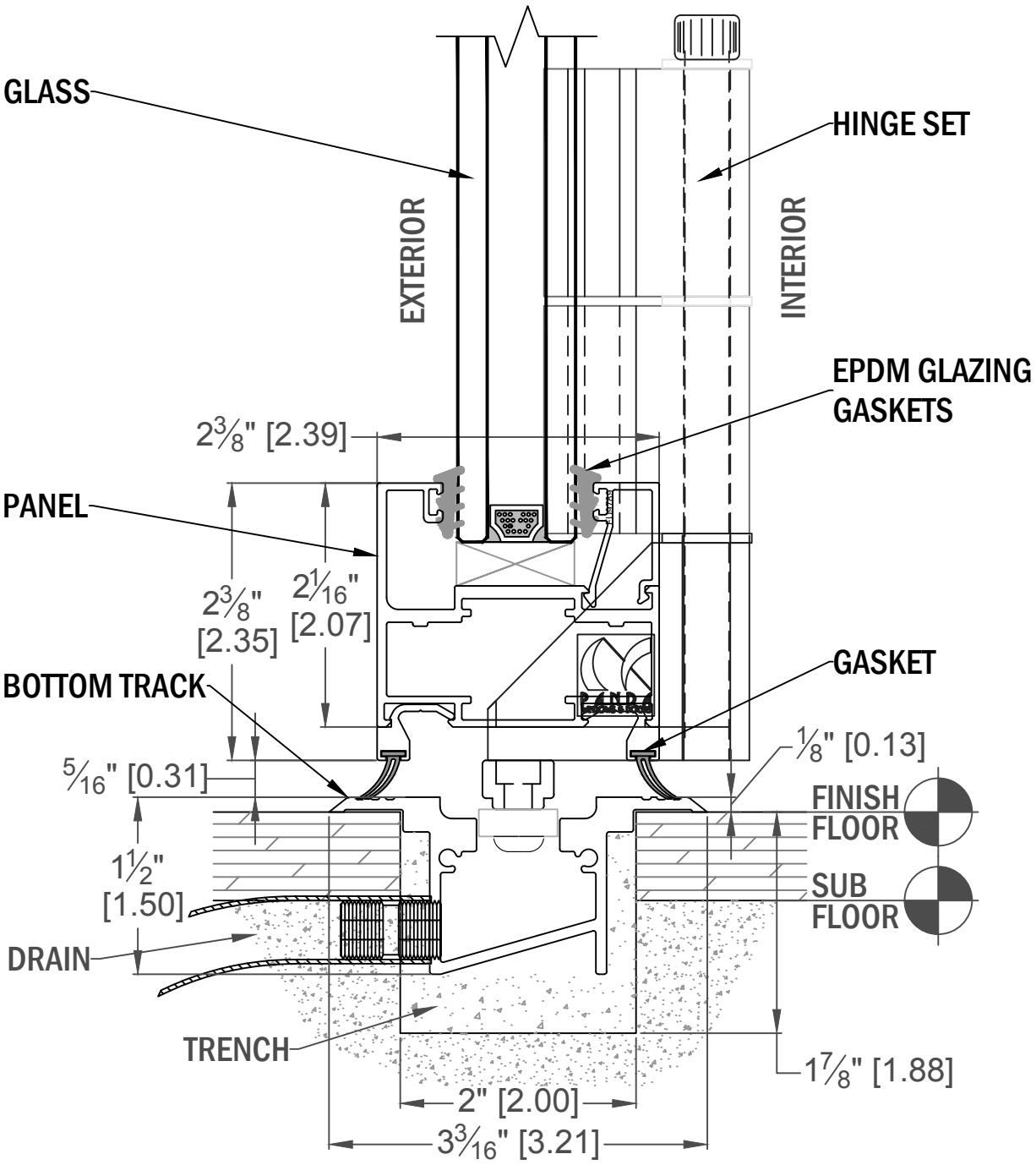

HINGE SET
EXTERIOR
INTERIOR
GLASS
2⅜" [2.39]
EPDM GLAZING GASKETS
PANEL
2 1/16" [2.07]
2⅜" [2.35]
GASKET
BOTTOM TRACK
5/16" [0.31]
¾" [0.75]
FINISH FLOOR
6" [6.00]

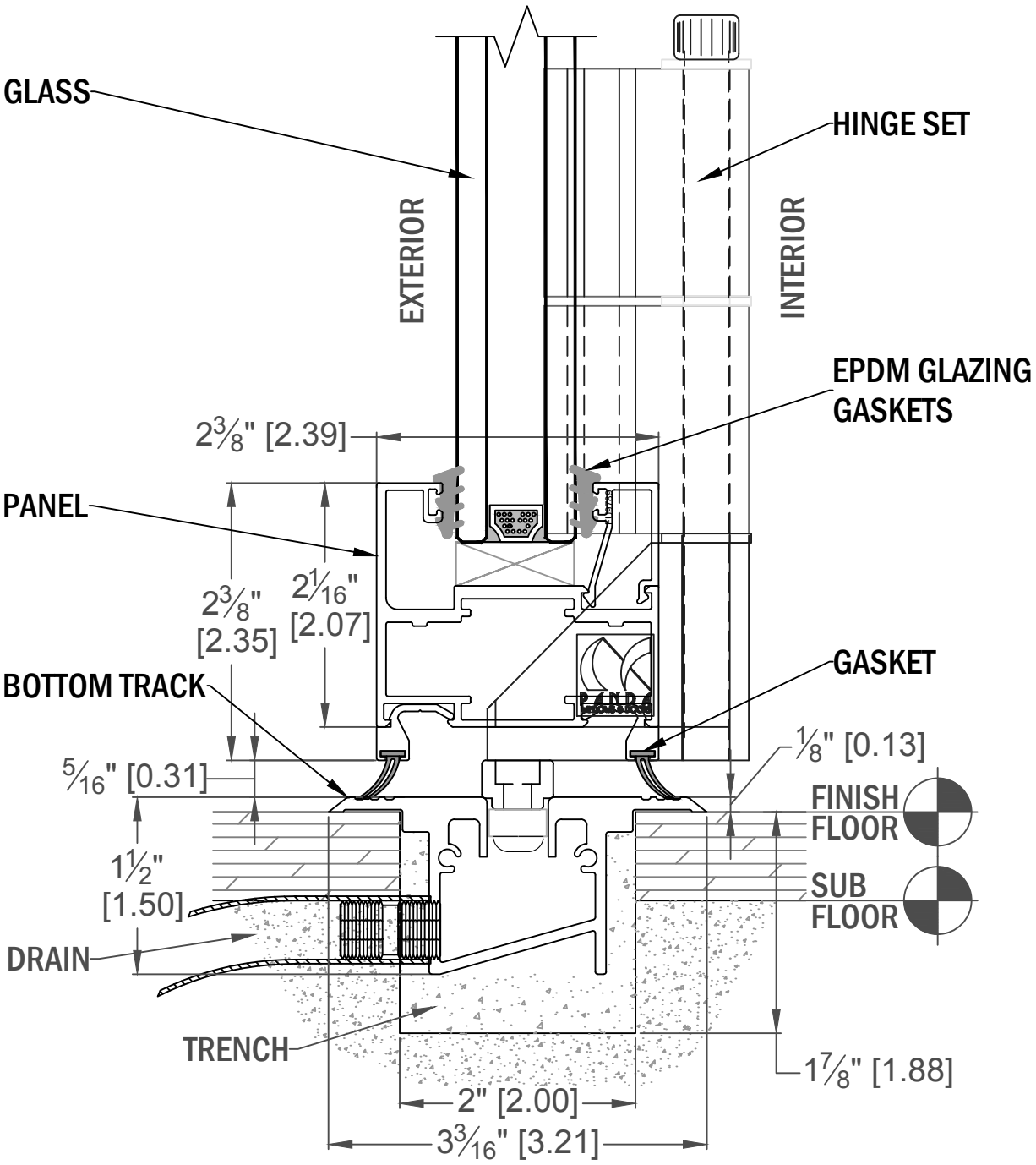

HINGE SET
EXTERIOR
INTERIOR
GLASS
EPDM GLAZING GASKETS
2 3/8" [2.39]
PANEL
2 1/16" [2.07]
2 3/8" [2.35]
GASKET
BOTTOM TRACK
5/16" [0.31]
1/2" [0.50]
FINISH FLOOR
3 13/16" [3.81]

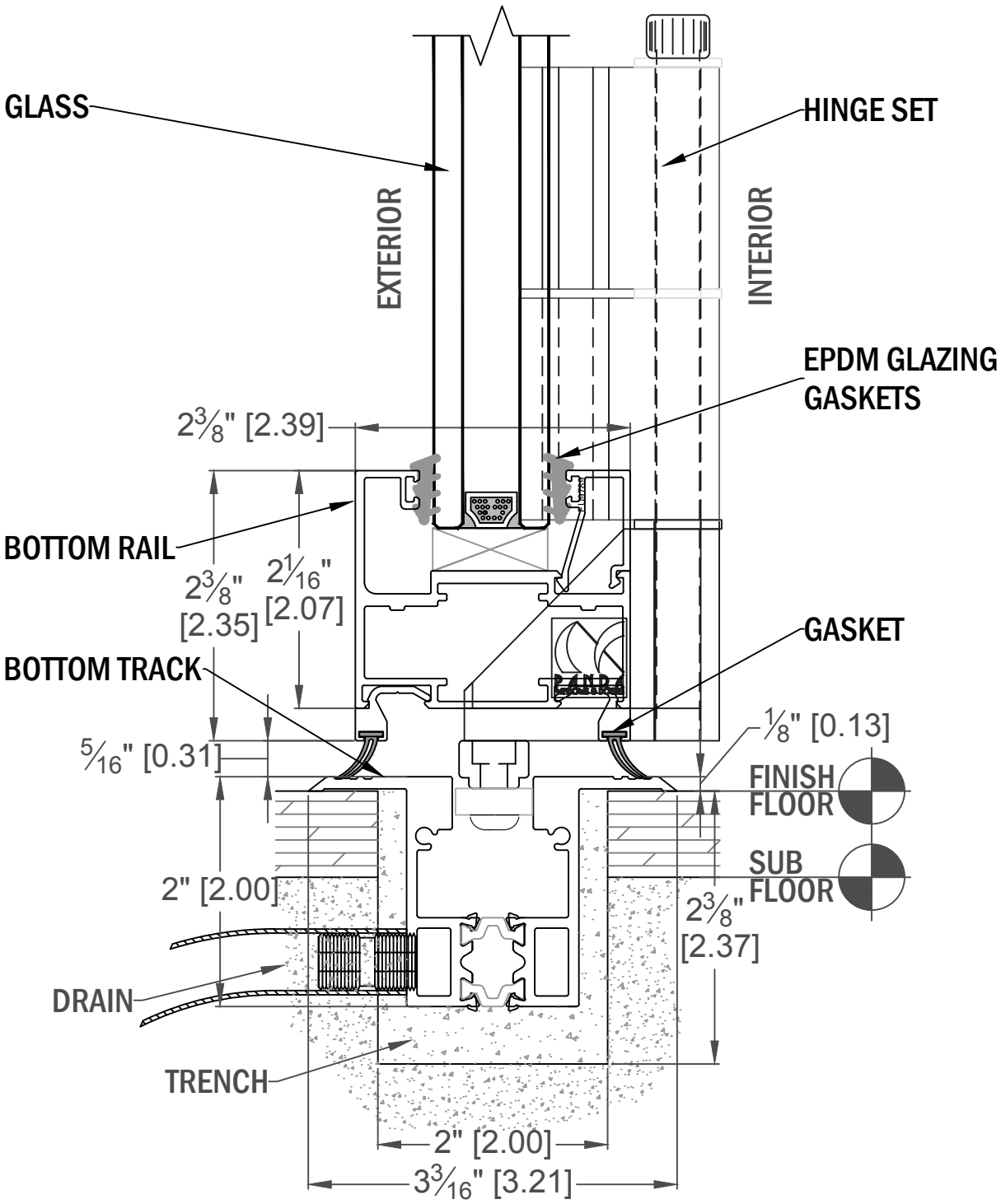

GLASS
HINGE SET
EXTERIOR
INTERIOR
EPDM GLAZING GASKETS
2 3⁄8" [2.39]
PANEL
2 1⁄16" [2.07]
BOTTOM TRACK
GASKET
2 3⁄16" [2.18]
1 7⁄8" [1.88]
DRAIN
FINISH FLOOR
2 11⁄16" [2.66]


GLASS
HINGE SET
EXTERIOR
INTERIOR
EPDM GLAZING GASKETS
2 3/8" [2.39]
PANEL
2 3/8" [2.35]
2 1/16" [2.07]
GASKET
BOTTOM TRACK
1/8" [0.10]
5/16" [0.31]
FINISH FLOOR
3/4" [0.77]
SUB FLOOR
1 3/16" [1.17]
TRENCH
1 3/8" [1.40]
3 1/8" [3.15]

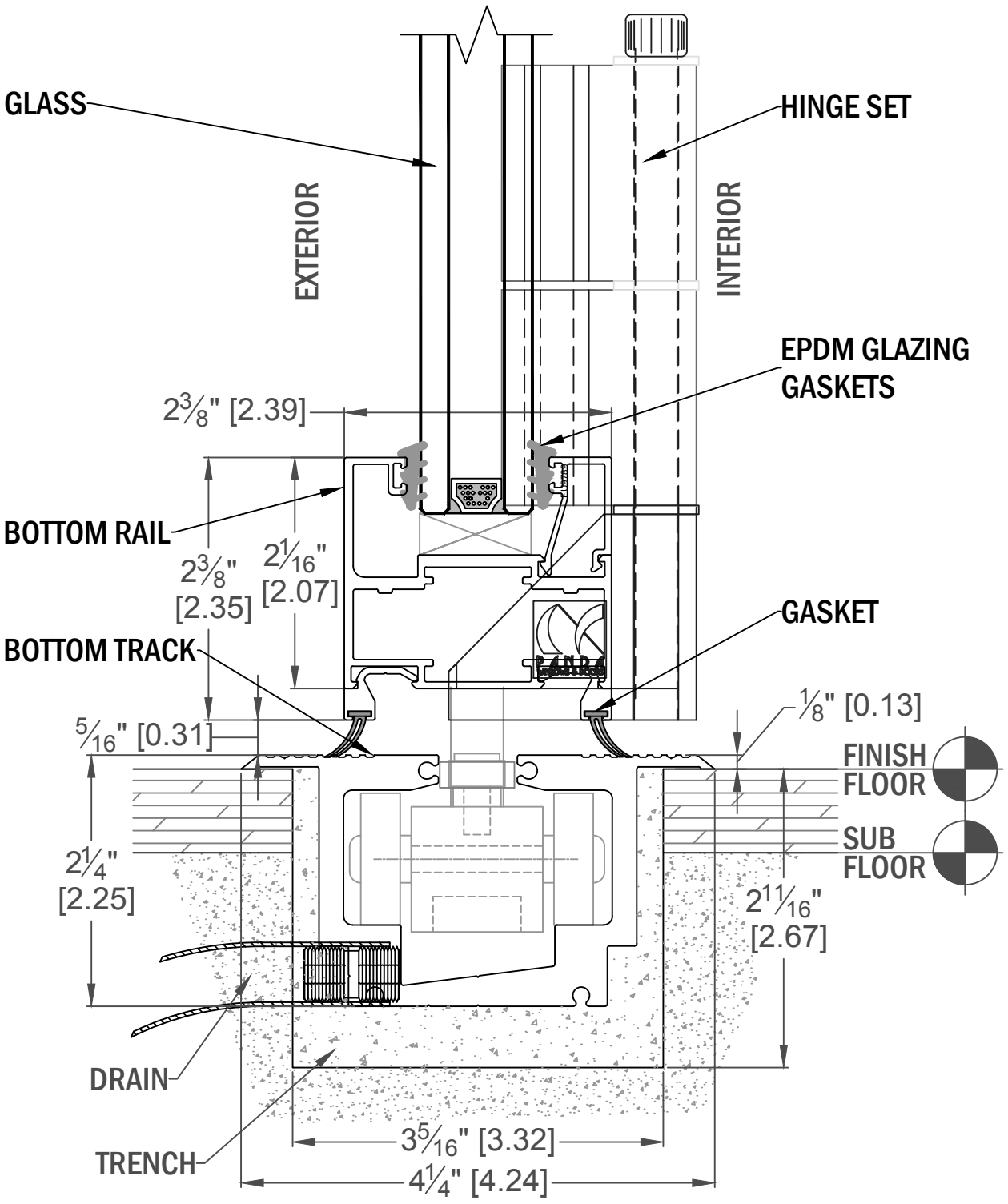

GLASS
HINGE SET
EXTERIOR
INTERIOR
EPDM GLAZING GASKETS
2 3/8" [2.39]
PANEL
2 3/8" [2.35]
2 1/16" [2.07]
BOTTOM TRACK
GASKET
1/8" [0.10]
5/16" [0.31]
FINISH FLOOR
1" [1.00]
SUB FLOOR
TRENCH
1 3/8" [1.40]
1 9/16" [1.54]
3 1/8" [3.15]


GLASS
HINGE SET
EXTERIOR
INTERIOR
EPDM GLAZING GASKETS
2 3/8" [2.39]
PANEL
2 3/8" [2.35]
2 1/16" [2.07]
BOTTOM TRACK
GASKET
1/8" [0.13]
5/16" [0.31]
FINISH FLOOR
SUB FLOOR
1 1/2" [1.50]
DRAIN
TRENCH
1 7/8" [1.88]
2" [2.00]
3 3/16" [3.21]

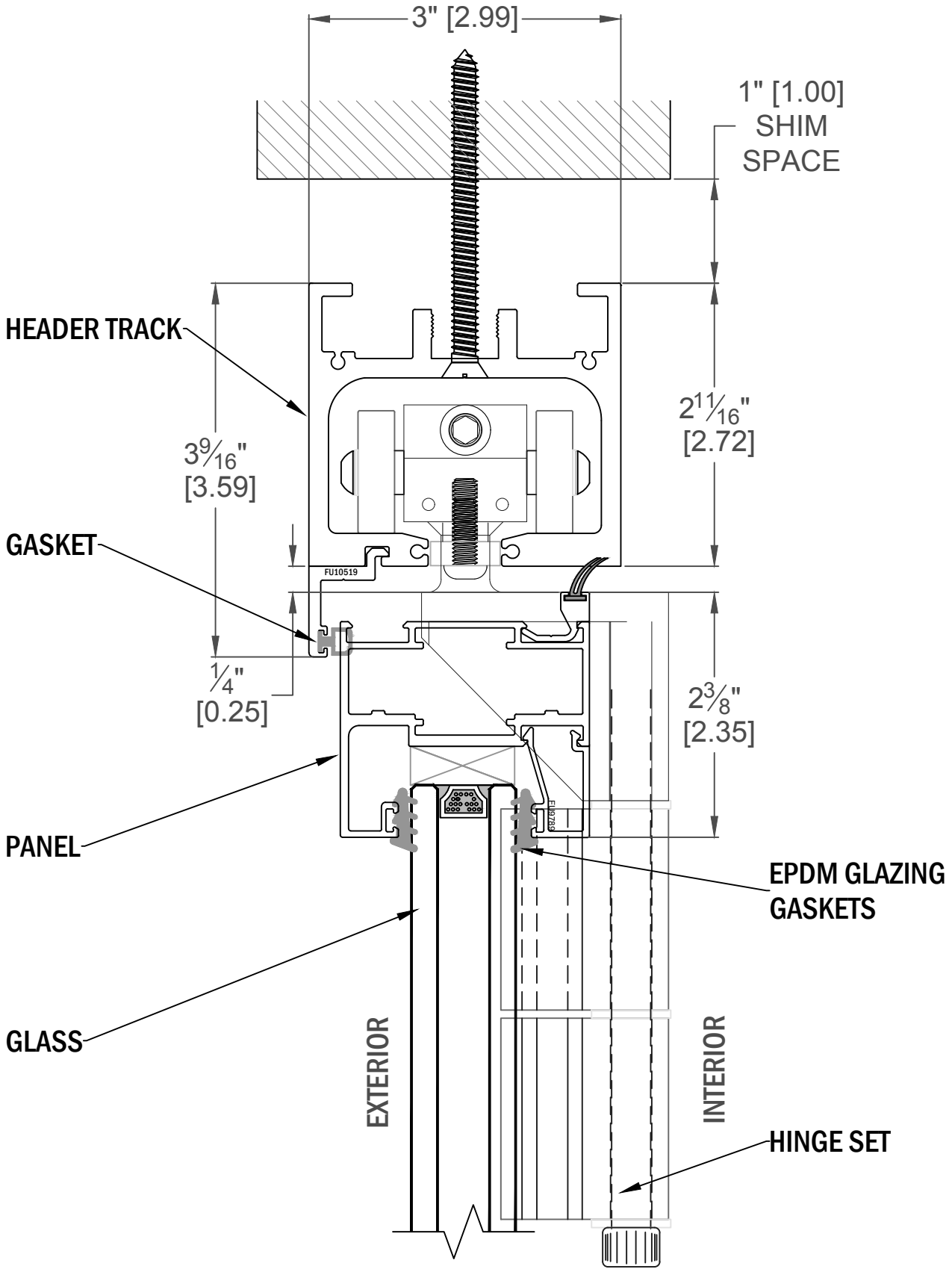

GLASS
HINGE SET
EXTERIOR
INTERIOR
EPDM GLAZING GASKETS
2 3/8" [2.39]
PANEL
2 3/8" [2.35]
2 1/16" [2.07]
BOTTOM TRACK
GASKET
1/8" [0.13]
5/16" [0.31]
FINISH FLOOR
1 1/2" [1.50]
SUB FLOOR
DRAIN
TRENCH
1 7/8" [1.88]
2" [2.00]
3 3/16" [3.21]

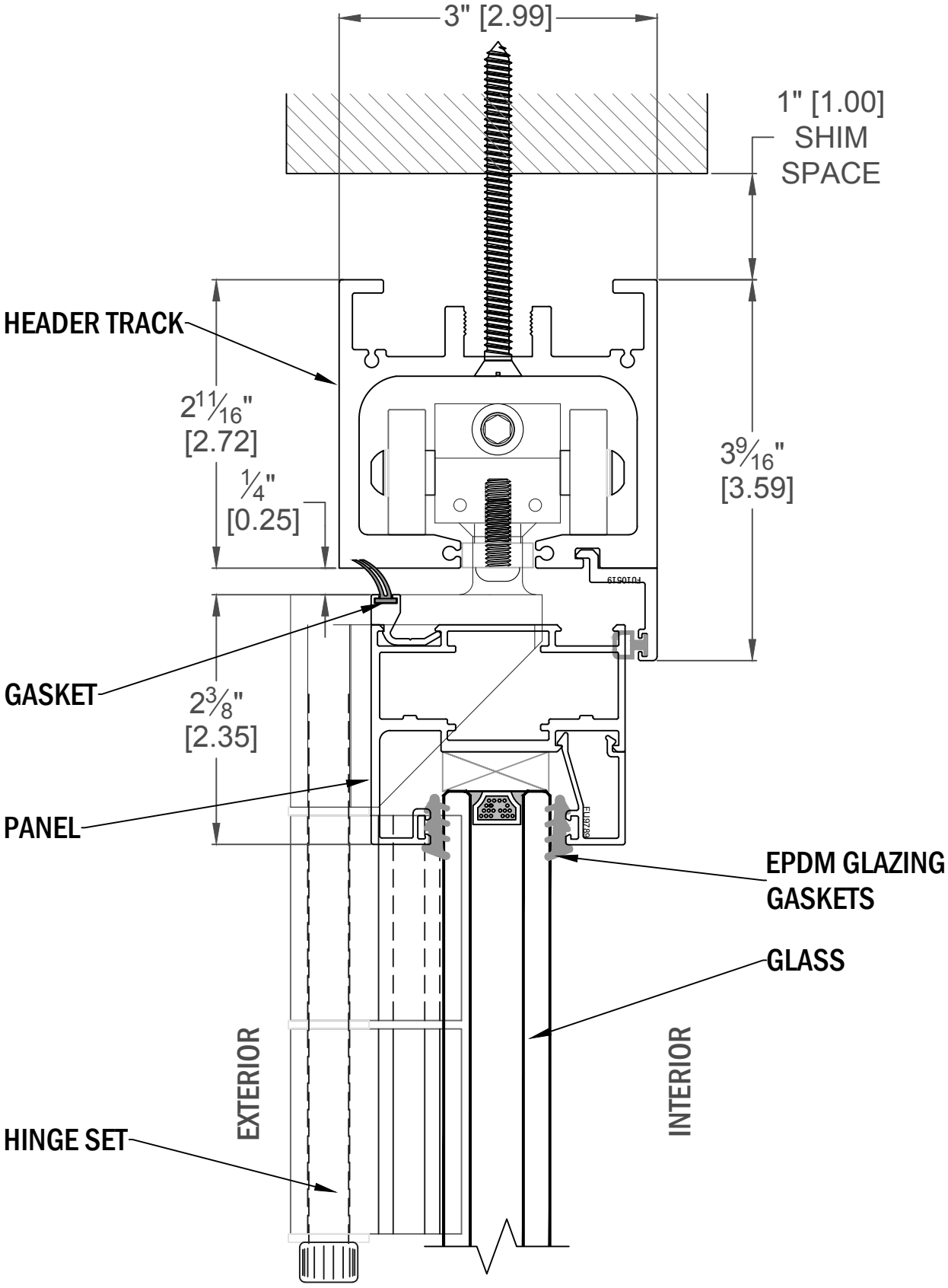

GLASS
HINGE SET
EXTERIOR
INTERIOR
EPDM GLAZING GASKETS
2 3/8" [2.39]
BOTTOM RAIL
2 3/8" [2.35]
2 1/16" [2.07]
GASKET
BOTTOM TRACK
1/8" [0.13]
5/16" [0.31]
FINISH FLOOR
SUB FLOOR
2" [2.00]
2 3/8" [2.37]
DRAIN
TRENCH
2" [2.00]
3 3/16" [3.21]

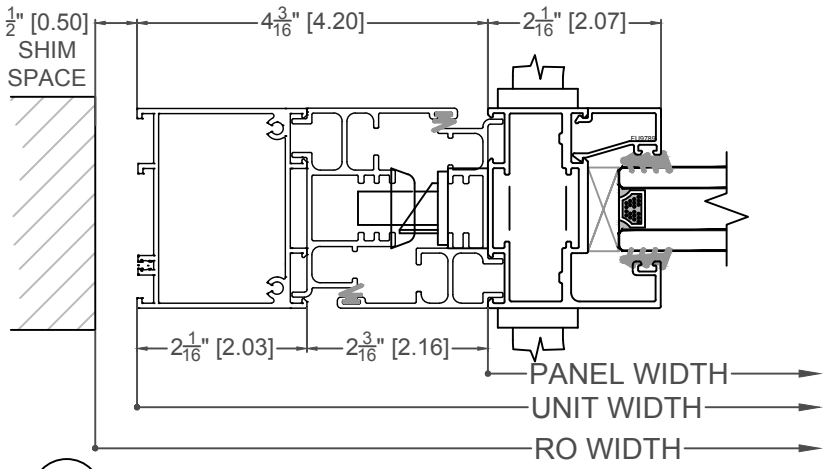
S51 AA
2¼" BOTTOM RUN. REC. DRAIN TRACK



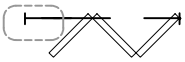
S51 AA
HEADER TRACK INSWING




3" [2.99]
1" [1.00]
SHIM
SPACE
HEADER TRACK
2 11/16"
[2.72]
1/4"
[0.25]
3 9/16"
[3.59]
GASKET
2 3/8"
[2.35]
PANEL
EPDM GLAZING
GASKETS
GLASS
EXTERIOR
INTERIOR
HINGE SET

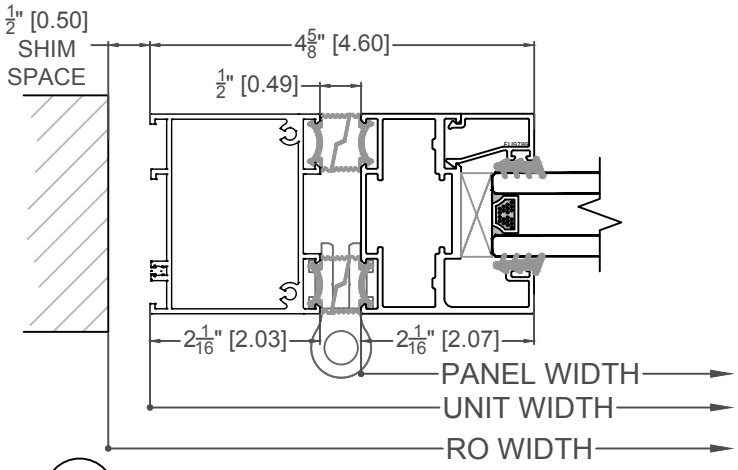


CONFIGURATION

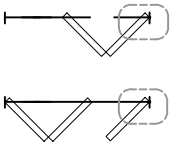


A

SWING SIDE JAMB

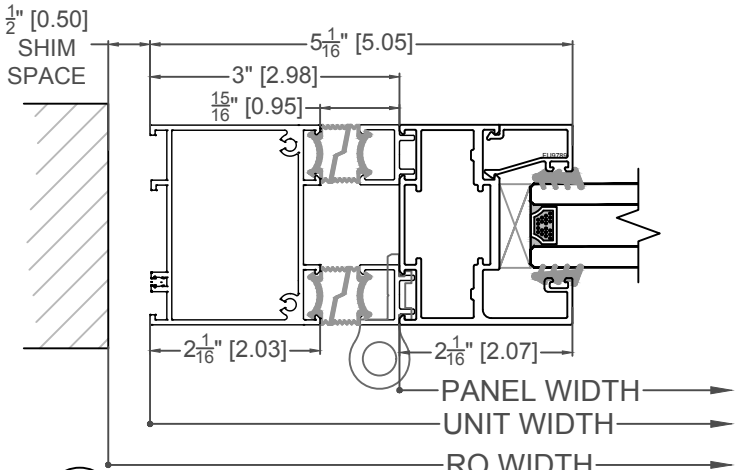


CONFIGURATION



B

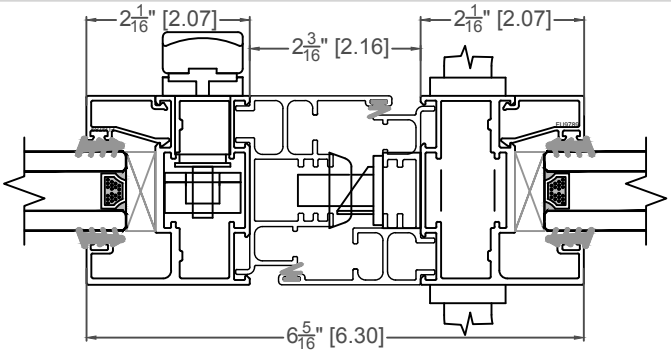
HINGE SIDE JAMB



CONFIGURATION

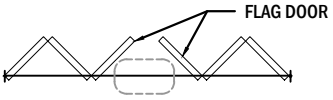
C

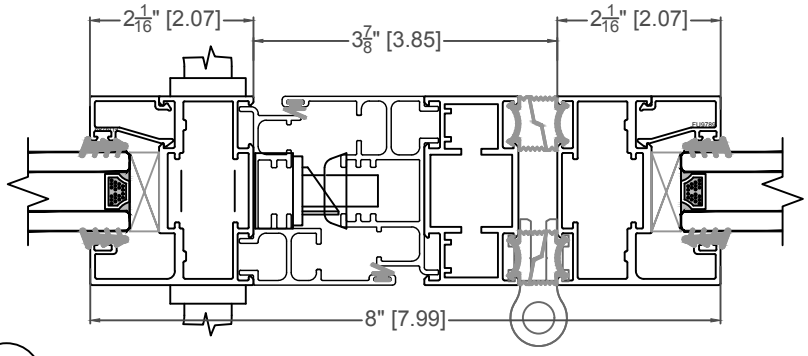
FREE SIDE JAMB



A ODD/ODD BIPART

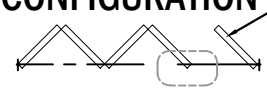
CONFIGURATION



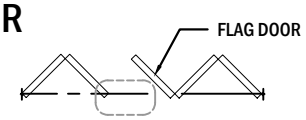


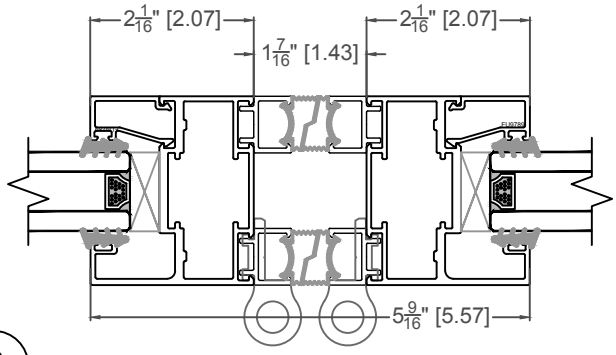
B ODD/EVEN BIPART

CONFIGURATION



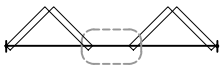
OR

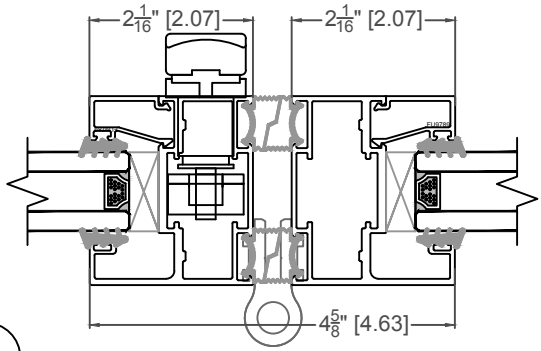




C EVEN/EVEN BIPART

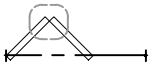
CONFIGURATION





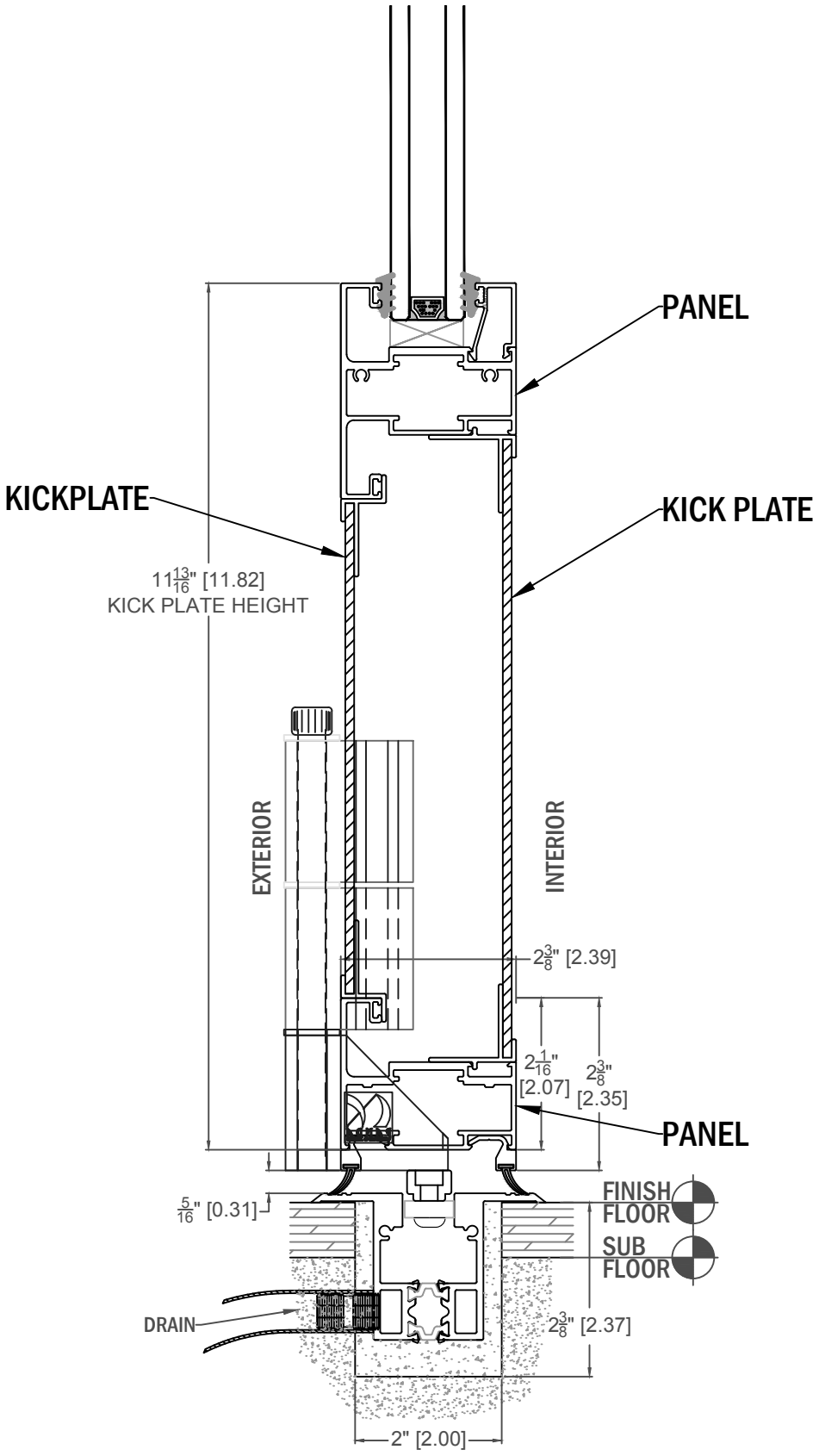
D JOINT

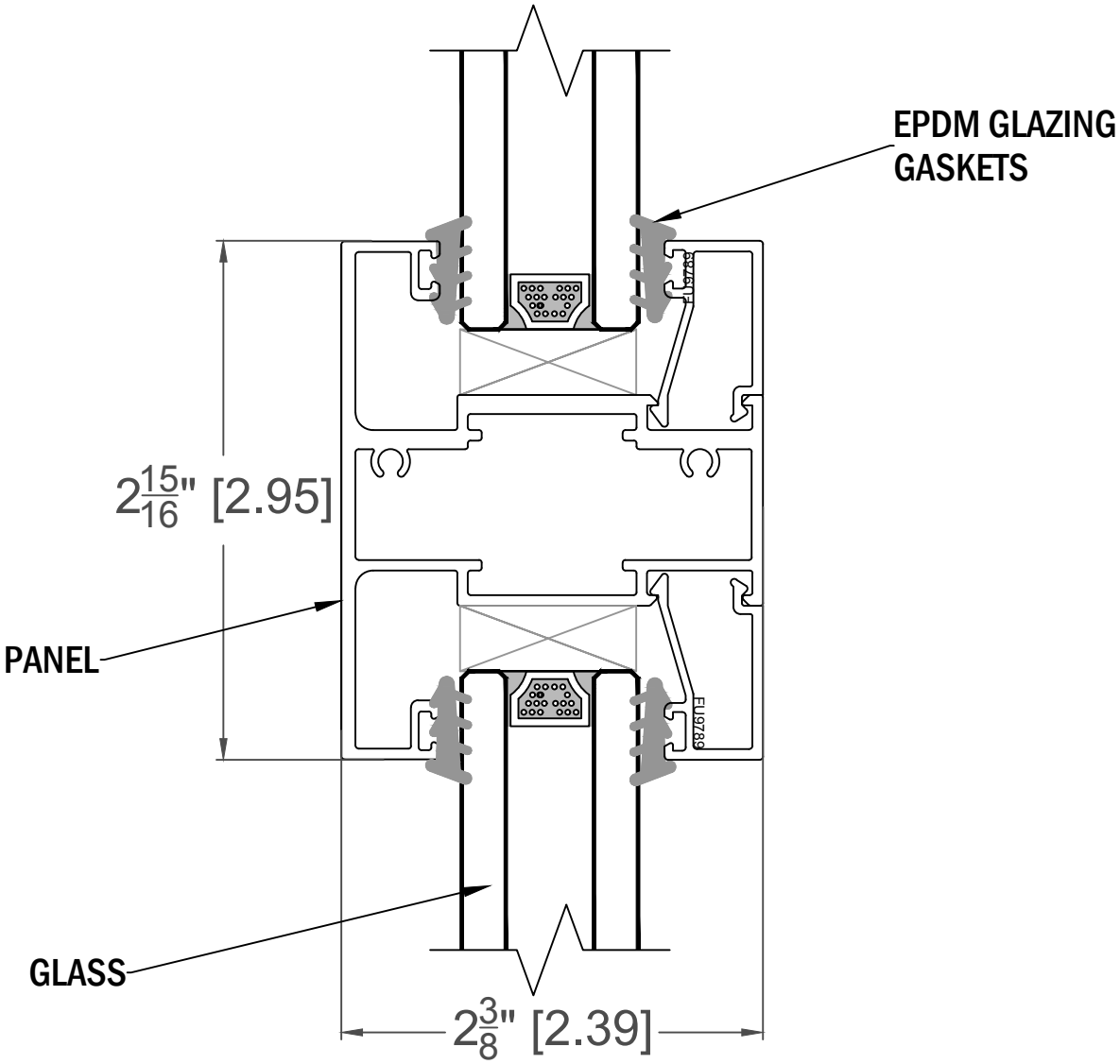
CONFIGURATION



S51 AA
KICK PLATE (OPTION)

KICK PLATE EXAMPLE




EPDM GLAZING GASKETS
$2\frac{15}{16}$" [2.95]
PANEL
GLASS
$2\frac{3}{8}$" [2.39]

Request for Information 000.PB081

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB081 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Circulation Desk Cabinet

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Spec 123550-1.01.A.2 list Circulation desk cabinets. We find no Circulation Desk on the plans – please confirm none are required.

Suggestion

Answer | **Date Answered:**

There is no circulation desk within the scope of the project.

Request for Information 000.PB082

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB082 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Display Tables

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Spec 123550-1.01.A.4 list Display Tables. We find no Display Tables on the plans – please confirm none are required.

Suggestion

Answer | **Date Answered:**

There are no Display Tables within the scope of the project.

Request for Information 000.PB085

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB085 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Countertop Edging	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

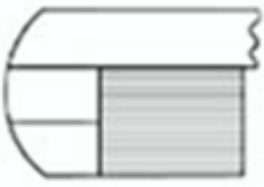
There's a discrepancy between the countertop and casework specification for the solid surface countertop edging. 123600-2.1-A.f notes a 1 ¼" square edge, but 123216-2.03-A.4 notes the edges to be half-bullnose and we are unable to locate a section for the solid surface countertops in the drawings to cross reference. Please confirm which edge profile is desired or provide a typical section of a cabinet with solid surface countertop showing the edge profile.

Suggestion

Answer | **Date Answered:**

Countertop edges shall be half bullnose. See diagram below.

PAA Response - 7/30/2019



Half Bullnose

Request for Information 000.PB086

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB086 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Sill Details

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Sill Details 11, 12, 13, 17/A607 – show solid surface sills being approx. 1/8” thick with substrate near the window and then being ½” thick at the front. Solid Surface sills and aprons will be 1/2” thick overall, no substrate, as the material comes ½”. Please confirm this is acceptable.

Suggestion

Answer | **Date Answered:**

This is acceptable.

Request for Information 000.PB091

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB091 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	CAM Construction 108 West Timonium Road, Suite 300 Timonium, MD 21093

Author RFI Number

Subject	Trade Contractor
Casework Substitution Request	CAM Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Substitution Request for specification section 123216

Suggestion

Answer | **Date Answered:**

Subject to compliance with specification requirements, substitution request is approved. See response to RFI #266 for revision to door/drawer style.

PAA Response - 7/30/2019

Advancement of Construction Technology

SUBSTITUTION REQUEST

Project: Rock Creek School
Walkersville MD

To: Proffit & Associates Architects
Frederick MD

Re: Product for Section 123216

Substitution Request Number:

From: Cabinets By Design LLC

Date: 7/17/19

A/E Project Number:

Contract For: 6A General Trades

Specification Title: Manufactured Casework

Description: Acceptable Manufacturers

Section: 123216 Page: 3

Article/Paragraph: 1.06

Proposed Substitution: Cabinets By Design LLC www.cabinetsbydesigninc.com

Manufacturer: same Phone: 770-418-1200 or 814-619-6232 Contact: Mike Lipchik

Trade Name: Model No.:

Installer: same Address: Phone:

History: ☐ New product ☐ 2-5 years old ☐ 5-10 yrs old ☒ More than 10 years old

Differences between proposed substitution and specified product: See attached annotated spec section 123216 for approval of CBD

☐ Point-by-point comparative data attached - REQUIRED BY A/E

Reason for not providing specified item: CBD is factory direct, sales, manufacturing, project management, installations, warranty

Similar Installation: See attached "Project List"

Project: Architect:

Address: Owner:

Date Installed:

Proposed substitution affects other parts of Work: ☒ No ☐ Yes; explain

Savings to Owner for accepting substitution: ($).

Proposed substitution changes Contract Time: ☒ No ☐ Yes [Add] [Deduct] days.

Supporting Data Attached: ☒ Drawings ☐ Product Data ☐ Samples Upon request ☐ Tests ☐ Reports ☐

Copyright 1996, Construction Specification Institute,
601 Madison Street, Alexandria, VA 22314-1791

SUBSTITUTION REQUEST
(Continued)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

Submitted by: Chris Chesko

Signed by: *Chris Chesko*

Firm: CAM Construction

Address: 108 West Timonium Road

Lutherville-Timonium MD 21093

Telephone: 410-560-2828

Attachments: 123216 for approval of CBD, AWI QCP License 2019, FSC Certification, CBD Catalog Cuts - 123216, Partial Projects List - References

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01330.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Date:

Additional Comments: ☐ Contractor ☐ Subcontractor ☐ Supplier ☐ Manufacturer ☐ A/E ☐ _____

Copyright 1996, Construction Specification Institute,
601 Madison Street, Alexandria, VA 22314-1791

This document is annotated to serve as a point by point comparison between Cabinets By Design Inc. and the specified product for the Rock Creek School project. Differences between the specified product and Cabinets By Design Inc. are listed in the left margin. Where there are no annotations, the specification and manufacture of casework by Cabinets By Design Inc. are to be considered the same. This product does not additionally effect other parts of the work, does not require changes to the contract documents, and does not require additional coordination VS that stated herein.

Cabinets By Design Inc. operates a modern 120,000 sq. ft. facility, holds AWI QCP & FSC Certifications. Please contact Michael Lipchik, CSI, CDT, Sales Manager, Cabinets By Design Inc. at 814-619-6232 or email mlipchik@cbdga.com for additional information.
Thank you for making this review.

SECTION 12 32 16

MANUFACTURED CASEWORK

PART 1 GENERAL

1.01 SCOPE OF WORK

A. Provide all plastic laminate casework and accessory items as specified herein. Refer to plans for specific details and requirements. See Alternates.

B. General Conditions: The General Conditions, Supplementary General Conditions, Special Conditions, and General Requirements apply to all work in this Division.

1.02 RELATED WORK SPECIFIED ELSEWHERE

A. Section 01 74 19 – Construction Waste Management and Disposal.

B. Section 01 81 13 – Sustainable Design Requirements.

C. Section 06 10 53 – Miscellaneous Rough Carpentry: Blocking within walls.

D. Section 08 71 00 – Finish Hardware: Locks master keyed to room doors and other special locks.

E. Section 09 65 13 – Resilient Base and Accessories: Rubber, vinyl or other finished toe base and resilient flooring.

F. Division 22, 23 - Mechanical: Sinks, faucets, fittings, traps, stops, tail pieces, vacuum breakers, and other fixtures, electrical and mechanical runs and connections.

G. Division 26 - Electrical: Fixture installation/services connections: Setting and installation of equipment and fixtures, and related utility connections, are provided under the other sections of the Project Specification governing that utility.

1.03 REFERENCES

A. ADA (ADAAG): Americans with Disabilities Act Accessibility Guidelines.

B. ANSI 208.1: Standards for Particleboard.

C. Architectural Woodwork Institute (AWI): Quality Standards.

D. NEMA LD 3: High Pressure Decorative Laminates.

1.04 SUBMITTALS

A. Submit in accordance with Division 1.

B. LEED Submittals: Comply with Section 01 81 13.

1. MR Credit 2: BPDO – Environmental Product Declarations
   a. For composite wood, if available: Product-specific declaration or Industry-wide EPD or product-specific EPD.
2. MR Credit 3: BPDO – Sourcing of Raw Materials

a. For recycled content composite wood: Documentation indicating percentages by weight pre-consumer and post-consumer recycled content. Include material cost value.
b. For certified wood: Documentation indicating percentage new wood, percentage FSC and Chain-of-Custody (CoC) certificates indicating compliance with forest certification requirements. Include vendor invoice indicating FSC CoC.

3. MR Credit 4: BPDO – Material Ingredients
   a. For composite wood, if available: Material Ingredient Report.
   b. For plastic laminate, if available: Material Ingredient Report.
4. EQ Credit 2: Low-Emitting Materials
   a. For interior wet-applied adhesives, sealants, coatings: Documentation indicating compliance with California Department of Public Health (CDPH) Standard Method v1.1–2010 and VOC content in g/L. Include volume of material applied per product.
   b. For composite wood installed within the building interior: Documentation indicating compliance with California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM), Phase II for ultra-low-emitting formaldehyde (ULEF) resins or containing no added formaldehyde resins.

C. Product Data - Manufacturer's data sheets on each product to be used, including:

1. Test reports certifying that the casework finish complies with manufacturer's standards for chemical and physical resistance performance requirements.
2. Performance test reports from an independent testing lab on each specified top material.
3. Preparation instructions and recommendations.
4. Storage and handling requirements and recommendations.
5. Installation methods.

D. Shop Drawings: Submit shop drawings for approval in the form of one reproducible sepia and one print. Show materials, dimensions, cabinet-cut details, and sink locations. Include plans, elevations, sections, details, and attachments to other work.

1. Indicate locations of blocking and reinforcements required for installing casework.

2. Indicate locations of and clearances from adjacent walls, doors, windows, other building components, and other equipment.

3. Include coordinated dimensions for equipment specified in other Sections or provided by Owner.

E. Samples of colors shall be submitted upon award of contract for selection and coordination with other suppliers. For each finish product specified, one complete set of color chips representing manufacturer's full range of available colors and patterns should be submitted. Architect may request and retain samples and catalog cuts as required for accessory and special items.

F. Full Sized Sample: Submit full size sample of typical cabinet (sample may be incorporated into final work if in good condition). Owner has right to take one cabinet unit (selected at random) off-site for destructive testing. Contractor is to replace this unit at no extra cost to the Owner.

G. Submit MSDS for any applicable products used.

1.05 QUALIFICATIONS

A. Drawings and specifications are based upon casework as manufactured by Stevens. See list of other approved manufacturers below.

B. Substitutions per Division 1 requirements and conditions below. Casework must conform to design, quality of materials, design intent, workmanship and exact performance function of casework components and details specified and implied by manufacturer's reference, and as shown on plans regardless of that manufacturer's "product standards". Full-sized samples, catalogs, and specifications shall be submitted with written request along with detailed list of compliance and deviations from these documents for approval. Samples may be impounded by Owner and retained until completion of job for verification and compliance of specifications.

C. Manufacturer Qualifications: Not less than 5 years experience in the actual production of specified products. If requested by Architect, submit documentation of plant facilities and capacity to provide casework for this Project.

D. Installer Qualifications: Firm with 5 years experience in installation or application of systems similar in complexity to those required for this Project, plus the following.
1. Authorized distributor of manufacturer.

E. In addition to the above requirements, manufacturers requesting approval shall, at the same time, submit certified product test data in accordance with ANSI A161.1-1980, NEMA LD3-1995, and general static load testing performed and certified by an independent testing agency, covering the following areas of product performance, with these minimum results:

1. Base cabinet construction/racking test: 800 lbs. (363 kg)

2. Cabinet front joint loading test: 425 lbs. (193 kg)

3. Wall cabinet static load test: 2,000 lbs. (907 kg)

4. Drawer front joint loading test: 600 lbs. (272 kg)

5. Drawer construction/static load test: 750 lbs. (340 kg)

6. Cabinet adjustable shelf support device/static load test: 300 lbs. (136 kg)

1.06 ACCEPTABLE MANUFACTURES

Cabinets By Design LLC
www.cabinetsbydesigninc.com

A. Stevens
B. Case
C. Counterspace, Inc.
D. General Casework
E. Paragon
F. Polyvision
G. Potomac Architectural Millwork
H. Southside
I. TMI

1.07 WARRANTY

A. Warrant all components of the casework system against defects in material and workmanship for at least five years from date of Substantial Completion.

1.08 Quality Assurance

A. Forest Certification: Provide wood products made from forests certified by an FSC-accredited certification body. All non-FSC wood in assemblies with FSC-certified wood shall meet the FSC Controlled Wood (CW) criteria.

Part 2 PRODUCTS

2.01 MATERIALS

A. Laminated Plastics/Finishes:

1. High-pressure plastic laminate, .028 inch (.71 mm) in thickness, for exterior cabinet surfaces and interior surfaces of open units, shall meet NEMA LD3-2000 VGS standards.

   Exterior Color Selection Available:

   a. Standard finish vertical surface laminate from casework manufacturer's standard stock colors consisting of wood grain patterns and solid colors. Minimum of 200 selections available.

   b. Provide a total of 4 different colors. Colors to be selected and locations for use of each color identified by the architect during the submittal process.

   c. Direction of wood grain shall be vertical on door, end panels, fascia panels, and exposed backs; horizontal on drawer faces, aprons, and top rails.

2. Plastic Laminate Balancing Sheet: White high-pressure cabinet-liner, .020 inch (.51 mm) in thickness shall meet NEMA LD3-2000 CLS standards. Use for balancing exterior surface laminates.

3. Pressure Fused Laminate:

   a. Melamine resin impregnated, 85 gram PSM minimum, thermofused to core under pressure.

   b. Shall meet NEMA LD3-2000 VGS standards and NEMA LD3-2000 CLS standards.

   c. White pressure fused laminate for cabinet interiors behind door and drawers, and underside of wall cabinets.

   d. Shall be balanced at all concealed surfaces with same thermofused melamine. Unsurfaced coreboard or simple backers not allowed.

B. High Performance Particle Board Core:

1. Particleboard shall be 47 psf density and conform to ANSI A208.1, Grade M-3. Balanced 3-ply construction with moisture content not to exceed 8%. All particle boards shall meet or exceed the requirements for its type and classification under Commercial Standards CS-236-66, Federal Specification LLL-B-800A and ASTM D 1037-78.

   Recycled Content: Provide particleboard and MDF with minimum 80 percent recycled content.

2. ANSI 208.2-2002 Grade 130-MR50 MDF moisture resistance standards.

3. TVOC emission factors that are non-detectable after 48 hours per ASTM D 5116-97.

4. Meet following performance requirements:

   a. Screw holding, face 225 lbs.

   b. Screw holding, edge 200 lbs.

   c. Modulus of Rupture 2,400 psi

   d. Modulus of Elasticity 45,000 psi

   e. Internal Bond 60 psi

   f. Surface Hardness 900 psi

6. Composite wood installed within the building interior: Comply with California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM), Phase II for ultra-low-emitting formaldehyde (ULEF) resins or containing no added formaldehyde resins.

7. Cabinet components shall be of the following minimum core thicknesses:

   a. 1/2 inch (12.7 mm): cabinet backs, drawer body, and drawer bottoms.

   b. 3/4 inch (19.1 mm): door and drawer face, base, wall, and tall cabinet tops and bottoms, cabinet sides, drawer spreaders, cabinet back rear hang-strips, structural dividers, exposed cabinet backs, and shelves in cabinets.

   c. 1 inch (25.4 mm): product-specific work surfaces and library stack shelving unless stack fitted with vertical divider.

C. Edging types. Provide one or more of the following in accordance with Item D, below:

1. FlatEdge PVC. .020 inch (.51 mm). Solid, high-impact, purified, color-thru, acid resistant PVC edging machine-applied with hot melt adhesives, automatically trimmed face, back and corners for uniform appearance. Manufacturer's option of .030 inch (.76 mm) high-pressure plastic laminate if PVC match is unavailable.

2. 3 mm thick PVC. Solid, high-impact, purified, color-thru, acid resistant, pre-lamination primed edging, machine-applied with hot melt adhesives, automatically trimmed, inside/outside length-radiused for uniform appearance, buffed and corner-radiused for consistent design.

D. Flush Design Edging Locations. Provide the above specified edging types at the following locations, of the following colors:

1. Door/Drawer-Front edging shall be 3mm PVC - one color as selected from manufacturer's 30 standard colors, color-matched to manufacturer's standard laminates.

2. Forward edge of cabinet end panel, top, bottom, door/drawer front spacer rail, interior dividers, and shelf shall be 3mm PVC - one color as selected from manufacturer's 30 standard colors, color-matched to manufacturer's standard laminates.

3. Top of drawer body shall be FlatEdge PVC White.

E. Hardware

1. Hinges
   a. Heavy duty, five knuckle 2 1/2 inch (69.9 mm) institutional type hinge shall meet ANSI/BHMA A156.9 Grade 1 requirements. Mill ground, hospital tip, Teflon coated tight pin feature with all edges eased. Hinge shall be full wrap around type of tempered steel .095 inch (2.4 mm) thick. Each hinge shall have minimum of 7 screws, #8, 5/8 inch (15.9 mm) FHMS to assure positive door attachment.

   b. One pair per door to 48 inch (1219 mm) height. One and one-half pair over 48 inches (1219 mm) in height. Hinge shall accommodate 13/16 inch (20.6 mm) thick laminated door and allow 270 degree swing.

   c. Finish shall be LH-301 ChromeCoat powder finish.

2. Pulls: Pull design shall be in compliance with ADA requirements.

   a. Wire design, LH-321, 4 inches (101.6 mm), in satin chrome finish.

3. Drawer Slides: Dynamic (operational) load rating shall be minimum 100 lbs. (45 kg) unless otherwise noted. Minimum 150 lbs. (68 kg) static load rating.

   a. Standard Drawers: LSI Lab Series Slide, LH-375, self-closing design, epoxy powder coated White, with positive in-stop, out-stop, and out-keeper to maintain drawer in 80% open position. Captive nylon rollers, front and rear. Minimum 150 lbs per pair dynamic load rating at 50,000 cycles.

   b. File Drawers and Paper Storage Drawers: Full extension, 3-part progressive opening slide, minimum 100 lb (45 kg), zinc plated or epoxy coated at manufacturer's option.

      At File Drawers, provide body mounted molded rails for hanging file system for legal or letter size as indicated. Cutting or machining of drawer body/face not allowed.

4. Catches: Catch shall provide opening resistance in compliance with the Americans with Disabilities Act.

   a. Provide one top-mounted magnetic catch for base and wall cabinet door. Provide two at each tall cabinet door. Catch housing shall be molded in White. LH-340ADA.

   b. LH-345 Roller catch for mobile cabinets.

5. Adjustable Shelf Supports: Shall be LH-354 twin pin design with anti tip-up shelf restraints for both 3/4 inch (19.1 mm) and 1 inch (25.4 mm) shelves. Design shall include keel to retard shelf slide-off, and slot for ability to mechanically attach shelf to clip. Load rating shall be minimum 300 lbs. (136 kg) each support without failure. Cabinet interior sides shall be flush, without shelf system permanent projection.

6. Wardrobe Rod: Shall be 1 1/6 inch (27 mm) rod, LH-362, supported by LH-363 flanges.

7. Coat Hooks:

   a. Single coat hooks, wall mount - LH-365 Satin Aluminum.

   b. Double coat hooks, wall mount - LH-366 Satin Aluminum.

8. Locks: Shall be disc tumbler lock keyed alike and master keyed. Dull chrome finish.

   a. Hinged doors and drawers National Lock No. M4-7054.

   b. 1/4 inch (6.4 mm) sliding panel doors, National Lock No. M2-0225.

9. Casters; shall be 5 inch heavy duty steel rubber tired casters with brakes at corners of designated units. If unit width exceeds 3'-0", provide additional casters at 3'-0" o.c. maximum. Install weld pans at underside of units for caster reinforcement

F. Adhesives and sealants:

1. Interior wet-applied adhesives, sealants, and coatings: Comply with low-emitting requirements in Division 01 Section “Sustainable Design Requirements - LEED.”

2. Field-applied adhesives and sealants shall meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.

2.02 CABINET CONSTRUCTION

A. Fabrication:

1. Exposed exterior cabinet surfaces shall be .028 inch (.71 mm) high-pressure laminate. Laminate surface/balancing liner to core under controlled conditions by approved and regulated laminating methods to assure a premium lamination. Natural-setting hybrid P.V.A. Type III water resistant adhesives that cure through chemical reaction, containing no health or environmentally hazardous ingredients, shall be used.
   a. Methods requiring heat are not allowed.
   b. "Contact" methods of laminating are not allowed.

2. Cabinet parts shall be accurately machined and bored for premium grade quality joinery construction utilizing automatic machinery to insure consistent sizing of modular components. End panels shall be doweled to receive bottom and top.

3. Back panel shall be fully bound (dadoed) into, and recessed 7/8 inch (22.2 mm) from the back of cabinet sides, top, and bottom to insure rigidity and a fully closed cabinet. Cabinet back shall be mechanically fastened from rear of body for tight interior fit and sealed with full-perimeter high-strength hot-melt adhesive.

4. Drawer bottom shall be fully bound (dadoed)and glued into and recessed 1/2 inch (12.7 mm) up from the bottom of sides, back, and sub-front. Sides of drawer shall be doweled to receive drawer back and sub-front.

5. 3/4 inch (19.1 mm) thick hang rails shall be mechanically fastened to end panels of all wall, base, and tall cabinets for extra rigidity and to facilitate installation.

6. All cases shall be square, plumb, and true.

7. Provide removable back panels and closure panels for plumbing access at sink cabinets, and where required.

B. Detailed Requirements For Cabinet Construction:

1. Sub-Base:

   a. Cabinet sub-base shall be separate and continuous water resistant exterior grade plywood with concealed fastening to cabinet bottom. Ladder-type jobsite construction of individual front, back, and intermediates, to form a secure and level platform to which cabinets attach. No cabinet sides-to-floor will be allowed.

   b. Sub-base at exposed cabinet end panels shall be recessed 1/4 inch (6.4 mm) from face of finished end, for flush installation of finished base material by other trades.

2. Structural Cabinet Body:

   a. Cabinet parts shall be accurately machined and bored for premium grade quality joinery construction utilizing automatic machinery to ensure consistent sizing of modular components. Dowel end panels to receive bottom and top.

   b. Cabinets over 36 inches (914 mm) wide shall be furnished with a mechanically fastened, yet removable, vertical divider to reduce horizontal member/shelf deflection. Wall cabinets shall have a clear inside nominal depth of 12 inches (305 mm) unless detailed otherwise.

3. Cabinet Top and Bottom:

   a. Solid sub-top shall be furnished for all base and tall cabinets.

   b. At cabinets over 36 inches (914 mm), bottoms and tops shall be mechanically joined by a fixed divider.

   c. Exterior exposed wall cabinet bottoms shall be Pressure Fused white laminate both sides. Assembly devices shall be concealed on bottom side of wall cabinets.

4. Cabinet Ends:
   a. Holes drilled for adjustable shelves 1-1/4 inches (32 mm) on center.

   b. Exposed exterior cabinet ends shall be laminated with high-pressure plastic laminate, balanced with high-pressure cabinet-liner interior surface.

5. Fixed and Adjustable Shelves:

   a. Thickness shall be 3/4 inch (19.1 mm).

   b. Shelves shall meet the loading/deflection standards of the National Particleboard Association.

6. Cabinet Backs:

a. Cabinet backs shall be minimum 1/2 inch (12.7 mm) thick, inset from rear of body, and fully bound (dadoed) four sides. Rear, unexposed, side of back perimeter shall be toe-nailed with mechanical fasteners for tight interior fit and direct connection of back panel to body, and sealed with full-perimeter high-strength hot-melt adhesive.

b. Provide 3/4 inch (19 mm) thick hang rails fastened to back/body as specified in this Section. Hang rails shall be located at rear of cabinet back and fastened to cabinet sides. Provide minimum of 2 at base, 2 at wall, and 3 at tall cabinets.

c. Exposed exterior backs shall be high-pressure plastic laminate balanced with high-pressure cabinet-liner.

7. Door and Drawer Fronts:

Inset drawers and doors are not recommended due to increased pinch points. CBD proposes flush overlay reveal design in place of inset design.

a. Flush Design: Laminated door and drawer fronts shall be 13/16 inch (20.6 mm) thick for all hinged and sliding doors. Drawer fronts and hinged doors shall inset between extended cabinet end panels. Maintain a nominal 3/32 inch (2.38 mm) reveal between pairs of doors, between door and end panel (route for hinge as required), or between multiple drawer fronts within the cabinet.

b. Front Rail: Provide minimum 3/4 inch (19.1 mm) by 6 inches (152 mm) by full width cabinet body rails immediately behind all door/drawer and multiple drawer horizontal joints to maintain exact body dimensions, close off reveal, and be locator for lock strikes.

8. Drawers:

a. Drawer fronts shall be applied to separate drawer body component sub-front.

b. Drawer sides shall be doweled and glued to receive front and back, machine squared and held under pressure to set.

c. Typical 1/2 inch (12.7 mm) drawer bottom, recessed, shall be fully bound (dadoed) into front, sides, and back. Routing, in drawer body for bottom, shall receive continuous glue.

d. Reinforce drawer bottoms with 1/2 inch (12.7 mm) by 4 inches (101.6 mm) front-to-back intermediate underbody stiffeners, mechanically fastened. One at 24 inches (610 mm), two at 36 inches (914 mm), and over.

e. Paper storage drawers shall be fitted with full width hood at back.

9. Vertical and Horizontal Dividers:

a. Pressure Fused laminate 3/4 inch (19.1 mm) thickness. Sub-dividers secured in cabinet with molded plastic clips or dowels.

2.03 COUNTERTOP CONSTRUCTION

A. Solid Surface Countertops:

1. Solid surface shall be Corian, Formica, or Wilsonart.

2. Solid surfacing material shall be 1/2" thick minimum with solid MDF underlayment.

3. Back and side splashes shall be four inches high.

4. Front edges shall be half bullnose edge

2.04 STEEL FABRICATIONS, ASSEMBLIES, AND SUPPORT DEVICES

A. Provide, of the size and configuration as detailed, or as indicated by product number. Exposed welds shall be ground smooth. Finish shall be Black Powder Coat.

2.05 SPECIAL REQUIREMENTS

A. ADA, Americans with Disabilities Act Requirements: The following special requirements shall be met, where specifically indicated on architectural plans as "ADA", or by General Note. Shall be in compliance with Federal Register Volume 56, No. 144, Rules and Regulations:

1. Countertop height: With or without cabinet below, not to exceed a height of 34 inches (864 mm) A.F.F., (Above Finished Floor), at a surface depth of 24 inches (610 mm).

2. Kneespace clearance at sinks:

a. Adult use: Shall be minimum 27 inches (685 mm) A.F.F. at apron, 19 inches (485 mm) deep, and 30 inches (762 mm) clear span width.

3. 12 inch (305 mm) deep shelving, adjustable or fixed: Not to exceed a range from 9 inches (229 mm) A.F.F. to 54 inches (1372 mm) A.F.F.

4. Wardrobe cabinets: Shall be furnished with rod/shelf adjustable to 48 inches (1219 mm) A.F.F. at a maximum 21 inch (533 mm) shelf depth.

5. Sink cabinet clearances: In addition to above, upper kneespace frontal depth shall be no less than 8 inches (203 mm), and lower toe frontal depth shall be no less than 11 inches (279mm), at a point 9 inches (229 mm) A.F.F., and as further described in Volume 56, Section 4.19.

3.00 EXECUTION

3.01 EXAMINATION

A. Do not store or install casework in facility until concrete, masonry, drywall and plaster work is dry within limits acceptable to the casework manufacturer.

B. Do not begin installation until substrates have been properly prepared.

1. Walls and openings are plumb, straight and square.
2. Concrete floors level within 1/8 inch (3 mm) level per 10 foot (3000 mm) run, non-accumulative, when tested with a straight edge in any one direction.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 COORDINATION

A. Coordinate work of this Section with related work of other Sections as necessary to obtain proper installation of all items, including but not limited to:

1. Fittings, piping, electrical devices, and wiring.

2. Setting bases and flanges of sink and countertop-mounted fittings in sealant recommended by manufacturer of sink or countertop material.

B. Verify site dimensions of cabinet locations in building prior to fabrication.

3.03 INSTALLATION

A. Install casework in accordance with manufacturer's instructions.

1. Workmen: Install casework under the supervision of the manufacturer's representative with factory-trained mechanics certified by manufacturer.

2. Installation of casework shall be plumb, level, true and straight, with no distortions.

3. Use concealed shims as required.

4. Where casework or equipment butts against other finished work, scribe and cut for an accurate fit.

5. Lubricate operating hardware as recommended by the manufacturer.

6. Install all items complete and adjust all moving parts to operate properly.

7. Use fixture attachments for wall mounted components as recommended by the casework manufacturer.

8. Firmly secure cabinet and counter bases to floor using appropriate angles and anchorages.

B. Install countertop and edge surfaces in one plane with flush hairline. Locate joints only where shown on Shop Drawings.

1. Provide required holes and cutouts for service fittings.

2. Seal unfinished edges and cutouts in plastic-laminate countertops with heavy coat of polyurethane varnish.

3. Provide scribe moldings for closures at junctures of countertop, curb, and splash, with walls as recommended by manufacturer for materials involved. Match materials and finish to adjacent casework. Use chemical-resistant, permanently elastic sealing compound where recommended by manufacturer.

4. Carefully dress joints smooth, remove surface scratches, and clean entire surface.

3.04 PROTECTION

A. Casework shall be protected in transit. Store under cover in a ventilated building not exposed to extreme temperature and humidity changes.

B. Inspect casework for damaged or soiled areas; remove, refinish, and touch-up as required.

C. Protect installed products until completion of project.

D. Touch-up, repair or replace damaged products before Substantial Completion.

E. Remove cartons, debris, sawdust, scraps and similar items and leave spaces clean, and casework ready for Owner's use.

F. Provide the services of a qualified manufacturer's representative shall demonstrate operation and maintenance procedures of the installed casework and equipment to the Owners personnel.

- END OF SECTION 12 32 16 -

2019

AWI ARCHITECTURAL WOODWORK INSTITUTE
QUALITY CERTIFICATION PROGRAM

46179 Westlake Drive, Suite 120
Potomac Falls, Virginia 20165
Phone (855) 345-0991
Fax (703) 229-1211
awiqcp.org

LICENSE

THIS IS TO CERTIFY THAT: CABINETS BY DESIGN INC.

2883 Pleasant Hill Road Duluth, GA 30096 United States

IS DULY LICENSED AND ENTITLED TO LABEL FOR COMPLIANCE UNTIL DECEMBER 31, 2019, WHEN THIS LICENSE EXPIRES.

QUALITY STANDARDS GRADE:

PREMIUM

LICENSE SCOPE:

P6.1, P6.2, P6.5, P10.1, P10.2, P10.3, P8, P10 E, P8 E, P6E, P11.1, P11.2, P11.3, P11.4, P11.5, P11.6, P11 E

NUMBER: 897

WITNESS OUR HAND AND SEAL OF THE ASSOCIATION DATED, POTOMAC FALLS, VIRGINIA, THIS FIRST DAY OF JANUARY, 2019. THIS LICENSE IS NON-TRANSFERABLE.

Randolph Estabrook
EXECUTIVE DIRECTOR

THIS CERTIFICATE IS NON-TRANSFERABLE.
IT IS NOT VALID FOR PROJECT CERTIFICATION
751L509-C

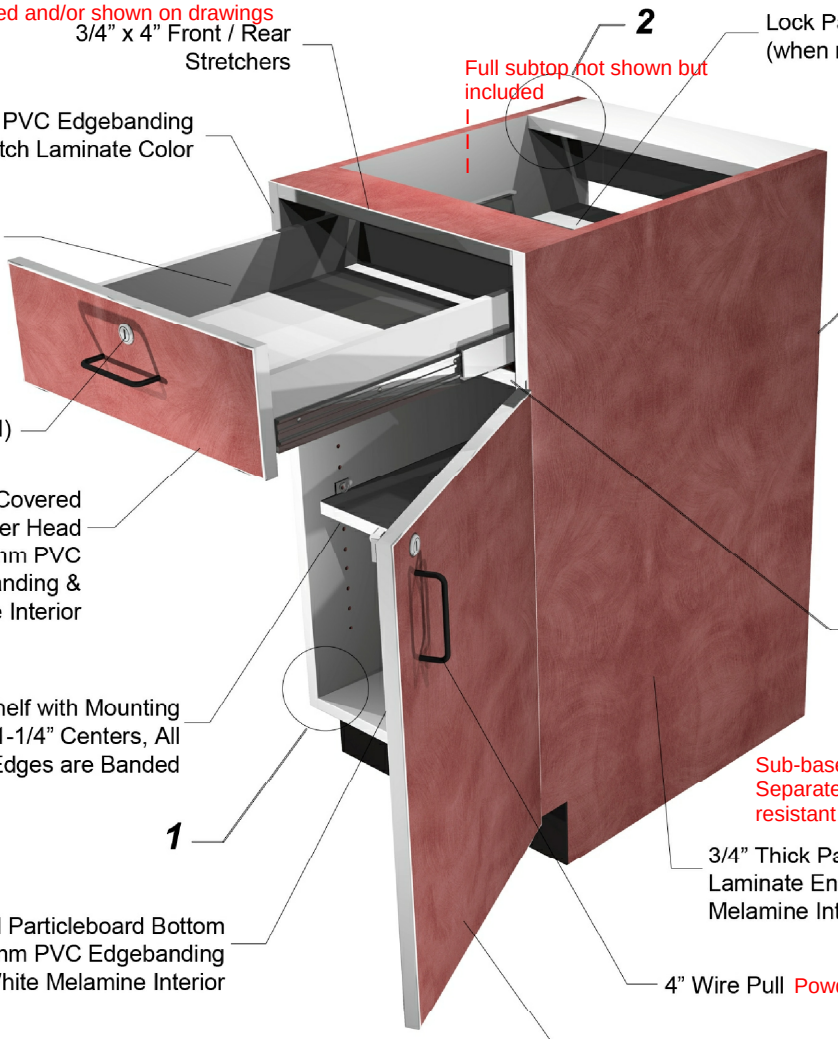
THIS LICENSE IS NON-TRANSFERABLE. IT IS NOT VALID FOR PROJECT CERTIFICATION. 751L509-C

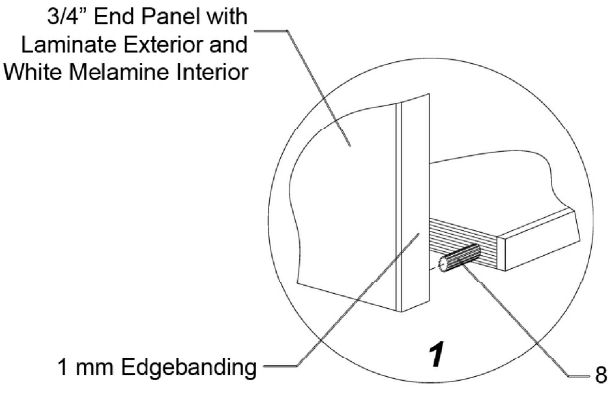
This document is annotated to comply with the project requirements for the Rock Creek School Project. Thank you for making this review, Michael J Lipchik, CSI, CDT, Cabinets By Design Inc., 814-619-6232, mlipchik@cbdga.com

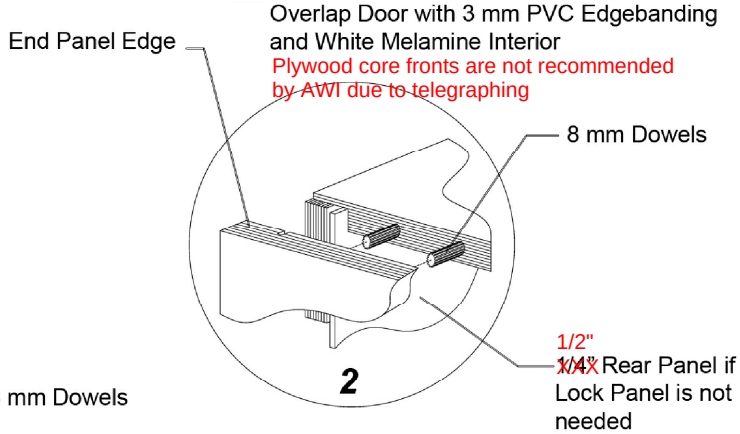
CABINETS BY DESIGN

LAMINATE BASE CABINET DETAIL

Note: Interior of open shelving units are to be treated as exposed surfaces.
All drawer and door fronts are overlay reveal design (not inset design).
Hardware as specified and/or shown on drawings

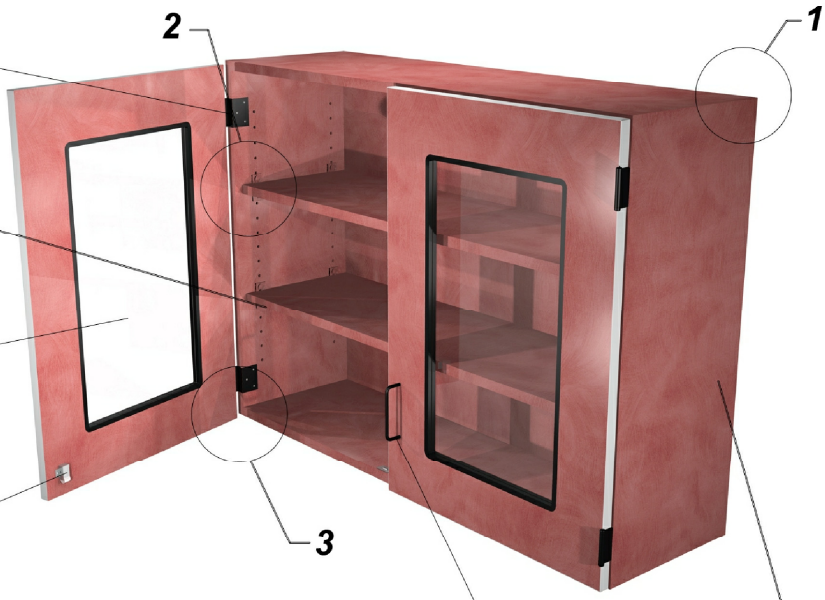




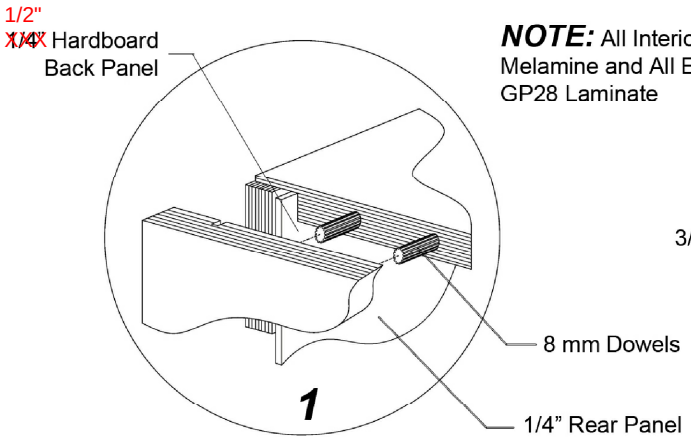


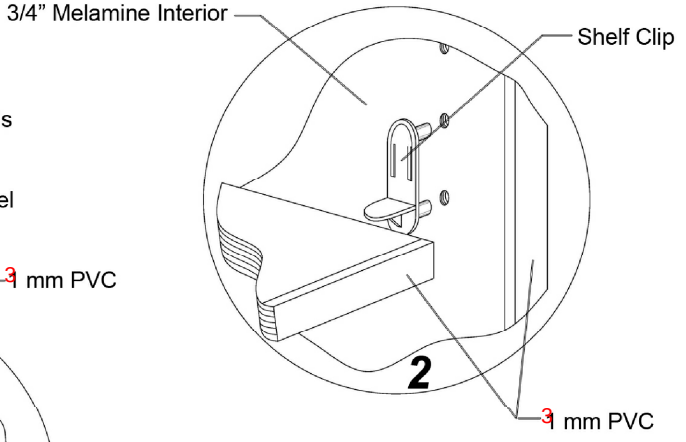
2883 PLEASANT HILL ROAD - DULUTH, GEORGIA 30096 - PHONE (770) 418-1200 - FAX (770) 418-1500
WEBSITE: CABINETSBYDESIGNINC.COM EMAIL: INFO@CABINETSBYDESIGNINC.COM

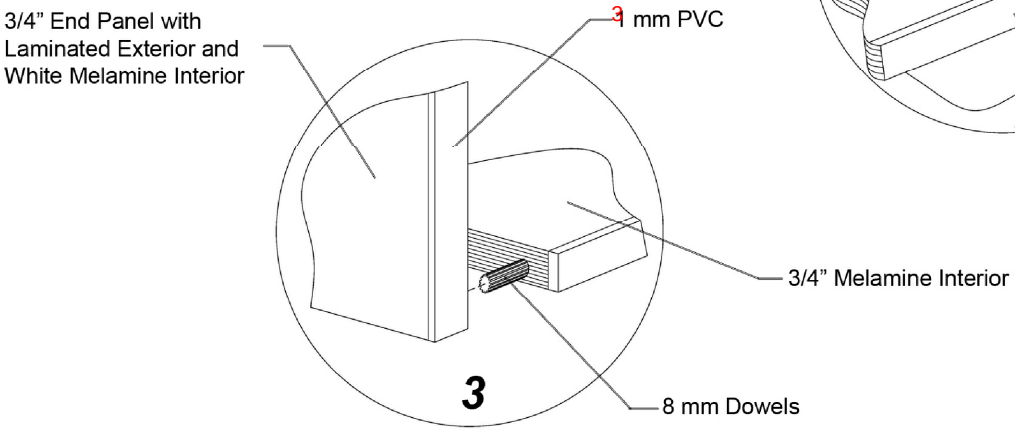
LAMINATE WALL CABINET DETAIL



NOTE: All Interior Surfaces are Thermofused Melamine and All Exterior Surfaces are GP28 Laminate



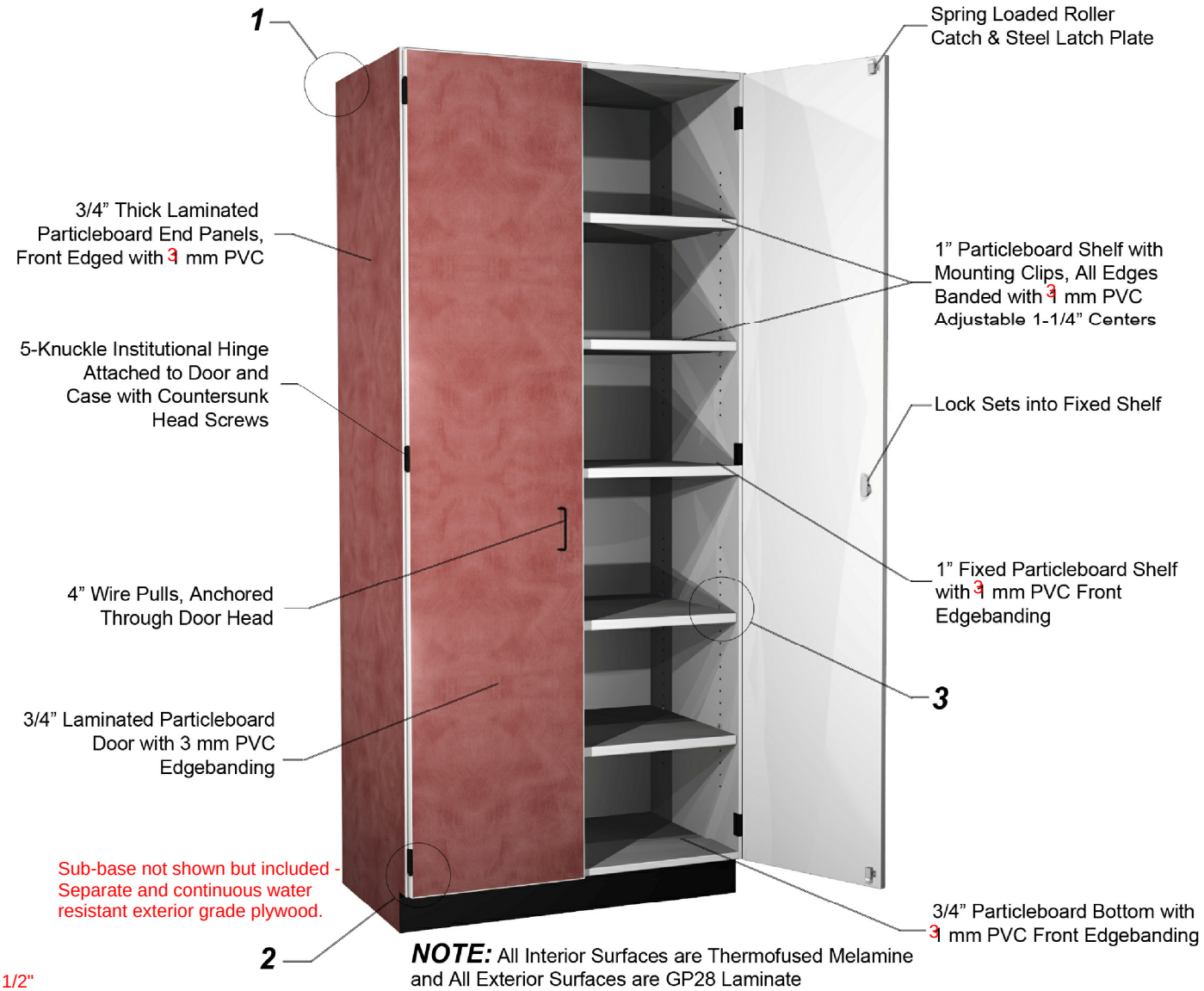




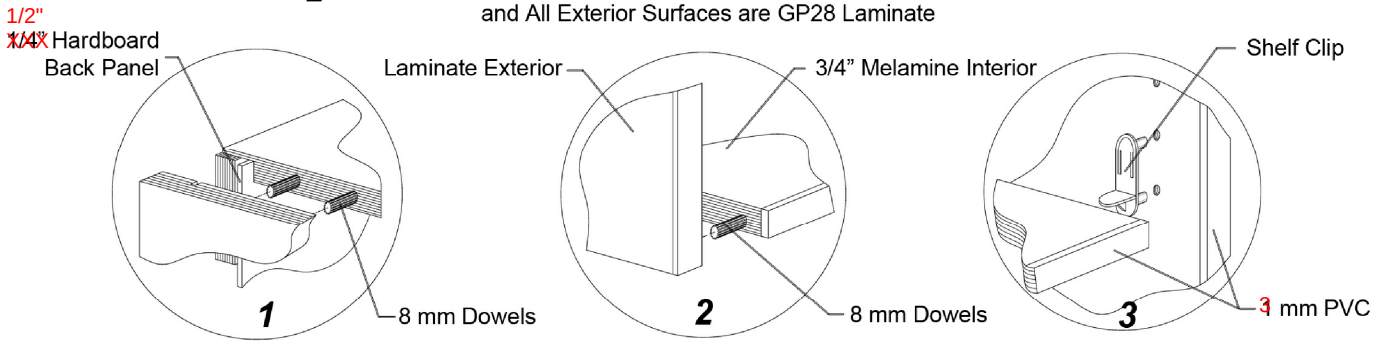
2883 PLEASANT HILL ROAD - DULUTH, GEORGIA 30096 - PHONE (770) 418-1200 - FAX (770) 418-1500
WEBSITE: CABINETSBYDESIGNINC.COM EMAIL: INFO@CABINETSBYDESIGNINC.COM

CABINETS BY DESIGN

LAMINATE TALL CABINET DETAIL



NOTE: All Interior Surfaces are Thermofused Melamine and All Exterior Surfaces are GP28 Laminate



2883 PLEASANT HILL ROAD - DULUTH, GEORGIA 30096 - PHONE (770) 418-1200 - FAX (770) 418-1500
WEBSITE: CABINETSBYDESIGNINC.COM EMAIL: INFO@CABINETSBYDESIGNINC.COM

SCS Global Services *does hereby certify that an independent audit has been completed and conformity to the applicable standard(s) has been confirmed for:*

Cabinets by Design, Inc.

2883 Pleasant Hill Road, Duluth, GA 30096, United States

This certificate covers the production of case goods, cabinets, and millwork using the transfer system.

The facility(s) are hereby Chain of Custody certified to sell products as:

FSC Mix

The assessment has been conducted by Scientific Certification Systems (SCS) in accordance with the rules of the Forest Stewardship Council® A.C. (FSC®).

FSC Standard: FSC-STD-40-004 V2-1; FSC-STD-50-001 V1-2

Certificate Code: SCS-COC-004019 Trademark License Code: FSC-C109330

Valid from: 24 January 2017 Expiry date: 23 January 2022

FSC
www.fsc.org
FSC® A000521

The mark of responsible forestry

RESPONSIBLE FORESTRY CERTIFIED TM SCS GLOBAL SERVICES

This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified (or FSC Controlled Wood where applicable). Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on sales and delivery documents. The scope of this certificate is considered accurate on the date of issuance. The current validity and scope, including the full list of products, shall be verified on http://info.fsc.org. The certificate shall remain the property of SCS, and this certificate and all copies or reproductions of this certificate shall be returned to SCS immediately upon request.

SCSglobal SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Contractor	Project	State	Amount	Contact	Phone	FO or F&I	Year Complete
The Beck Group	CDC 107	GA	$554,833	Steve Wilson	404-949-2300	F&I	2012
Shelco LLC	Cape Fear Comm. Col.	NC	$600,000	Joe Obusek	919-877-2600	F&I	2012
Mosser Const.	Goldwood Primary	OH	$78,933	Rich Kusmer	419-355-3284	FO	2012
Kramer & Feldman	Colerain & Northwest High Schools	OH	$16,015	Carl Padget	513-678-1350	FO	2012
ISEC	St. Joseph Heritage	CO	$478,063	Tom Bell	303-952-5326	FO	2013
J Vinton Schafer & Sons	Ellicott City Nursing & Rehab	MD	$386,033	Wayne Gutermuth	410-335-3000	F&I	2013
Hess Const.	St Charles HS	MD	$1,142,000	Geb Schramm	240-599-4702	F&I	2013
L S Fiore Inc	UPJ Nursing	PA	$372,212	Joe Pullara	814-329-0034	F&I	2013
Quesenberry's	East Side HS	VA	$203,381	Cotton	276-523-0411	F&I	2013
Turner Const.	Chamblee HS	GA	$974,532	Dimas Quijada	404-504-3700	F&I	2014
JCI Contractors	Colquitt County HS	GA	$1,314,082	Rob Jones	229-985-4444	F&I	2014
Choate Const.	Young Harris College	GA	$955,000	Linda Cooper	678-892-1200	F&I	2014
E Pikounis Const.	Annapolis HS	MD	$118,732	John Pikounis	410-522-0022	FO	2014
Towson Mechanical Inc	Eldersberg ES	MD	$167,442	Keith Farless	410-668-1210	FO	2014
Huntington & Hopkins	Lutherville ES	MD	$187,563	Woo Kang	410-666-2500	F&I	2014
BL Halbert	Univ of SC Darla Moore School (	SC	$1,034,518	Mark Wills	205-802-2800	F&I	2014
Flintco LLC	North Central ES	TX	$797,845	Brandy Lenamon	512-891-7224	F&I	2014
Turner Construction	Baxter Program Covington	GA	$1,756,551	David Glotfelty	404-504-3700	F&I	2015
North Pointe Bldrs.	Sparks ES	MD	$82,186	Jim Nicosia	410-477-8541	F&I	2015
Walsh Group/Archer West	Cherry Hospital	NC	$938,497	Adam marrero	919-735-0219	F&I	2015
Huntington & Hopkins	Pikesville HS	MD	$215,278	Woo Kang	410-666-2500	F&I	2016
Howard Shockey	Loudoun County ES 27	VA	$231,000	Thomas Keaton	540-323-3163	F&I	2016
Southwood Building Syster	Colonial Beach ES	VA	$86,500	Curtis Shipe	804-201-6198	F&I	2017
Branch Associates	NVCC Tyler Academic Bldg.	VA	$332,500	Nathan Antalis	571-264-6706	F&I	2017
Grunley	Mt Daniel ES	VA	$266,903	Alex Roth	240-419-7734	F&I	2018
Grunley	Herndon HS	VA	$1,670,150	Matthew Brodd	301-370-9009	F&I	In Progress
Brawner Builders	Woodlawn HS	MD	$390,000	Patrick Berry	443-591-7363	F&I	In Progress
Brawner Builders	Pikesville HS	MD	$130,000	Patrick Berry	443-591-7363	F&I	2015
North Point Builders	Dundalk ES	MD	$550,000	Debby Pilker	410-477-8541	F&I	April 2019 Start
A L Ingram Construction	Graceland Park-O'Donnell Heigh	MD	$511,000	Anthony Ingram	410-808-4214	F&I	June 2019 Start
A L Ingram Construction	Holabird e/MS	MD	$511,000	Anthony Ingram	410-808-4214	F&I	June 2019 Start

Request for Information 000.PB092

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB092 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	CAM Construction 108 West Timonium Road, Suite 300 Timonium, MD 21093

Author RFI Number

Subject	Trade Contractor
Plastic Lockers	CAM Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Please provide information as to the quantity/location of the plastic lockers, PL-1.

Suggestion

Answer | **Date Answered:**

See RFI responses in Addendum 03 and 04.

Request for Information 000.PB093

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB093 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Paddock Swimming Pool Company 15120-C Southlawn Lane Rockville, Maryland 20850

Author RFI Number

Subject

Pool Wall Pressure

Trade Contractor

Paddock Pools

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Please confirm Maximum fluid wall pressure of 35 psf

Suggestion

Answer | **Date Answered:**

ATLANTIC AQUATIC ENGINEERING, INC.

1823 DEEP RUN ROAD • PIPERSVILLE, PA 18947 • P. 215.766.0409 • F. 215.766.2575 • INFO@ATLANTICAQUATIC.COM • ATLANTICAQUATIC.COM

RFI - Response

Date: 30 July 2019

Project: Rock Creek School

Question(s):

1. "Please confirm Maximum fluid wall pressure of 35 psf"

Response(s):

1. The water pressure within the pool will vary according to the water depth. Hydrostatic pressure on the outside of the pool walls is not anticipated. Bidders shall note that by providing a response to this or related questions regarding pool structure design assumptions, the design team is not inviting bidders or their subcontractors to offer their own pool structure design as a submittal. The bid documents shall serve as construction documents. Pool structure shop drawings are not required or encouraged. Bidders shall assume that the pool structure must be constructed in literal compliance with the contract documents.

Respectfully submitted 30 July 2019 by;

John D. Bray, LEEDga, President

Request for Information 000.PB099

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB099 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Frederick County Public Schools 191 South East Street Frederick, MD 21701-5918	Brian Staiger	Caton Communications Group 4601 Leeds Avenue, Suite 100 Baltimore, Maryland 21229

Author RFI Number

Subject	Trade Contractor
Wireless Access Points	Caton Communications Group

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/29/2019**

Plan page T000 Detail 3 Technology Scope Notes number 6 states to “Provide and install wireless access points as part of this contract.” Specification section 01 11 00-2 Summary of Work states “Wireless access points and wireless controllers will be provided by Frederick County Public Schools for installation by the appropriate trade contractor.” Please confirm that FCPS is purchasing wireless access points for installation by the contractor.

Suggestion

Answer — **Date Answered: 7/31/2019**

Correct, FCPS orders the APs with the rest of the switchgear and APCs and then the 16A contractor will install them at the desired locations near the end of the project once the ceiling grid is installed.

Request for Information 000.PB102

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB102 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Playground Specialists, Inc. 11700 Whates Lane Thurmont, MD 21788

Author RFI Number

Subject	Trade Contractor
Secondary Playground	Playground Specialists

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

What is the second playground (not the courtyard play area) supposed to be? Intermediate, Primary, or PreK-Kindergarten?

Suggestion

Answer | **Date Answered:**

This playground shall be a custom design to meet the program requirements outlined in revised specification section 32 30 10, issued with this Addendum. The play equipment should be designed to serve students aged 3-21 with special needs, with a focus on accessible and inclusive play.

PAA Response - 7/30/2019

Request for Information 000.PB103

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB103 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject	Trade Contractor
Fiber Optic Demolition	William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/29/2019**

We need a scope of work to quantify the selective demolition associated with the fiber optic work in the existing Walkersville Middle School, Section 002416 paragraph P.13 assigns this work to the 6A.

Suggestion

Answer — **Date Answered: 7/31/2019**

Any and all work required for the fiber optic work in the existing middle school shall be by the 16A contractor complete.
Refer to revised General Scope and 16A specific scope issued this addendum.

Request for Information 000.PB106

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB106 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Door Hardware Sets

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

The following Openings have a discrepancy in the Hardware Group specified in Spec 087100 vs. the related Door Schedules: Opening – Spec HW Set vs. Door Schedule HW Set:

a. D104/1 – HW Set 04A vs. 10
b. 700/1 – HW Set 08B vs. 08D
c. D103/1 – HW Set 10 vs 04A
d. 500/1 – HW Set 32 vs. 39

Suggestion

Answer | **Date Answered:**

Hardware sets shall be as follows:

D104/1 - HW #10
700/1 - HW #08D
D103/1 - HW #04A
500/1 - HW #39

PAA Response - 7/30/2019

Request for Information 000.PB107

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB107 | **Date Submitted: 7/18/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Opening 100/9

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/25/2019**

Spec 0871000 – HW Set 09A calls out Opening 100/9. We cannot find this opening on the plans. Please confirm this hardware group is not required.

Suggestion

Answer | **Date Answered:**

The reference to 100/9 should be revised to 109/1. On the door schedule on sheet A602, the HW set for door 109/1 should be revised to 09A.

PAA Response - 7/30/2019

Request for Information 000.PB116

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB116 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Greenhouses	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

We are struggling to get bid commitments from the specified Greenhouse manufacturers. Of the (4) specified:

a. Growspan – Indicated they only bid directly to schools and will not bid to contractors
b. Stuppy – Declined to bid
c. Florian – Declined to bid
d. Cross Country Greenhouses – It does not appear they can meet the specs

Please provide a list of alternate manufactures or consider specifying an allowance for the 06A trade contractors to include for this work.

Suggestion

Answer | **Date Answered:**

See response to RFI 268.

Request for Information 000.PB120

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB120 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Handrails at Step Up Decking

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Can the plan of these steps on L-2.4 be presented in enlarged form to more clearly show the extent of the handrails?

Can if be clarified if there are wood handrails at the extreme ends of the steps that aluminum handrails are needed on One Side Only?

Can if be confirmed that there are four locations of wood handrail at steps with three 6” risers?

Can it be verified if what is indicated in the center area with two 12” risers is intended to be a wood handrail?

Suggestion

Answer | **Date Answered:**

See revised drawings as part of Addendum 05 for additional information.

Request for Information 000.PB121

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB121 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Pickets at Wood Handrail

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Are the pickets indicated at the wood handrail at the wood steps to the Step Up Decking in 8/L-2.6 wood?

The pickets are noted: Round Pickets to Match Handrail, Typ., but are they matching the Wood Handrail, or the Aluminum Handrail?

Section Detail X-X appears to show them by-passing the aluminum handrail and attaching to the wood at the cap.

Suggestion

Answer | **Date Answered:**

See revised details/drawings as part of Addendum 05 for additional information.

Request for Information 000.PB122

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB122 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Aluminum Handrails

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

There is no information in Section 05 52 13 – Pipe and Tube Railings about aluminum handrails.

Provide finish requirements for the aluminum handrails at the Step Up.

Suggestion

Answer | **Date Answered:**

See revised details in Addendum 05 for railings in the Courtyard area.

Request for Information 000.PB123

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB123 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Wood Risers at Step Up Decking

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Confirm the wood handrail at the wood steps to the Step Up Decking in 8/L-2.6 indicating 5 risers does not match the actual condition where either 3 risers, or only 2 risers are really needed and clarify how the wood post at the bottom is supported.

Suggestion

Answer | **Date Answered:**

See revised details/drawings provided in Addendum 05 for additional information at Step Up Decking.

Request for Information 000.PB124

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB124 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject	Trade Contractor
Aluminum Walkway Covers	Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 7/29/2019**

Please confirm Section 10 73 26.13 Metal Walkway Covers is the description for the walkway covers indicated on A404.

The 02A bid package contains a note at the bottom of page 002416-02A-12(page 84) stating: Aluminum canopies and walkway covers at the Bus Loop shall be by 06A Contractor.

Please identify where the Bus Loop is found on the drawings.

Confirm the prefab canopies on A404 are the ones in the 05A scope as noted on page 002416-05A-4(page 101).

Suggestion

Answer **Date Answered:**

Section 107326.13 Metal Walkway Covers refers to the canopies shown on A404, to be furnished and installed by the 05A Contractor. The Bus Loop is directly outside the main entrance of the school.

The bus loop runs along the front of the school around the Rock Creek parking area.

Request for Information 000.PB128

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB128 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Railing Type 1

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Railing Type 1 is indicated at the Platform Ramps and Steps and is noted on A003 to be Aluminum.
There is no information in Section 05 52 13 – Pipe and Tube Railings about aluminum handrails.
Provide finish requirements for the aluminum handrails at the Platform.

Suggestion

Answer | **Date Answered:**

Aluminum handrails shall have a clear anodized finish with Type 304 stainless steel fasteners.

Request for Information 000.PB129

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB129 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Loading Dock Ramp Railings

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Railing Types 1 and 2 are indicated at the Loading Dock Ramp.
Railing Type 1 is noted on A003 to be Aluminum.
Please identify the material type and finish for the Handrail portion of Railing Type 2 at the dock ramp.
Please identify the material type and finish for the Guardrail portion of Railing Type 2 at the dock ramp.
Please confirm that a Toe Kick is not necessary for this Guardrail.

Suggestion

Answer | **Date Answered:**

Railing Types 2 and 3 should be used at the Loading Dock Ramp.

Railing and Guardrails for Loading Dock shall be galvanized and powder coated.

Provide toe kick per detail.

Request for Information 000.PB130

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB130 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Stairs at A403

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Confirm Section 05 51 19 Metal Stairs is applicable to the Removable Platforms and Stairs on A403.
The drawing appears to indicate metal pan stairs, but bar grating treads are described in Section 05 51 19.
The grating is noted on page 05 51 19-3 to have opening no more than 5/16 inch.
Would openings of no more than 1/2 inch be acceptable for this application?

Suggestion

Answer | **Date Answered:**

Yes, Section 05 51 19 is applicable to the Roof Access stairs.

1/2" openings are acceptable.

Request for Information 000.PB131

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB131 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Roof Ladders

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

There are a good number of roof ladders on this project, some of which will require an over parapet platform and return ladder down to the high roof, but no detail is provided for bidding these ladders.

Can a roof ladder detail be provided?
Can clarification be given for the trade responsibility for blocking, or reinforcing in exterior metal stud walls needed to support roof ladders?

Suggestion

Answer | **Date Answered:**

Please see detail on A510 included in Addendum 05.

Scoping question deferred to Construction Manager.

05A Contractor responsible for all reinforcing associated with roof ladders

Request for Information 000.PB133

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB133 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Trench Drain at 2/C-4J

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Can it be confirmed that the Trench Drain in Detail 2/C-4J is not in the 05A scope?

Suggestion

Answer | **Date Answered: 7/22/2019**

All trench drains outside of the building to be furnished and installed by 02A contractor

Request for Information 000.PB136

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB136 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Lintels

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

The note for Lintels: on S100 calls for them to be stone, concrete, slag concrete, or structural steel and lists sizes of steel angles to be used for any opening not specifically shown then gives an option to use precast lintels as directed by the architect.

A number of openings have numbered lintels assigned on S-drawing plans.
Confirm the intent is for steel lintels to be provided over openings in interior masonry walls as shown in Head details H6, H7, H11, H12 & H14 on A606 as noted on Door Schedule A602 according scheduled angle sizes given on S100.
Confirm the direction for precast lintels applies at fire rated walls and at duct/damper openings below the ceiling per item 45 on page 002416-05A-4(page 101)

Suggestion

Answer | **Date Answered:**

That is correct.

Request for Information 000.PB138

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB138 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Stair Grating

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Section 05 51 19 Metal Stairs describes stairs with steel grating treads, but detail 8/A402 shows and notes formed checkered plate treads at the mezzanine Access Stairs.
Confirm checkered plate is to be provided at the Access Stairs.
The finish for steel grating stairs is noted as galvanized, but detail 8/A402 shows and notes Formed checkered stainless treads.
Confirm stainless checkered plate is to be provided at the Access Stairs.
Confirm the required finish for stainless checkered plate treads.

Suggestion

Answer | **Date Answered:**

Treads should be provided per the details on A-402. Type 304 Stainless Steel.

Request for Information 000.PB141

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB141 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754

Author RFI Number

Subject

Jamestown Advanced Products Substitution Request

Trade Contractor

Jamestown Advanced Products

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Substitution Request for specification section 323000

Suggestion

Answer | **Date Answered:**

Substitution request is approved. Note that all products shall carry a two-year warranty. Terms and conditions were referenced but not provided and any terms or conditions contrary to the specification requirements shall not apply.

Table provided shall be ADA-compliant model.

PAA Response - 7/30/2019

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Rock Creek School Replacement Project

Substitution Request Number: 01

From: Jamestown Advanced Products

To: Dustin Construction Inc.- Lloyd Hill

Date: 7/19/2019

A/E Project Number: 10080.19 LP, 17-22, 19C14,2017171.00,MDFPS31045702

Re:

Contract For: Frederick County Public Schools

Specification Title: Site Furnishing

Description: Bike Racks, Benches, and Trash Receptacles

Section: 32 30 00 Page:

Article/Paragraph:

Proposed Substitution: 6', Contour Bench with Recycled Plastic Lumber, Powder Coated Frames with Zinc Primer, In-Ground Mount

Manufacturer: Jamestown Advanced Products Address: 2855 Girts Road, Jamestown, NY, 14701 Phone: (800)452-0639

Trade Name: Site Furnishings Model No.: 11641-19

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- ~~Same warranty will be furnished for proposed substitution as for specified product.~~ Please see attached full terms and conditions (includes warranty information)
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- ~~Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.~~ Jamestown Advanced Products is a supplier/manufacturer of site furnishings only.

Submitted by: Brittany Green, Bid Specialist

Signed by: Brittany Green

Firm: Jamestown Advanced Products

Address: 2855 Girts Road, Jamestown, NY, 14701

Telephone: (800)452-0639 x214

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Date:

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

© Copyright 2013, CSI,
110 South Union St., Suite 100, Alexandria, VA 22314

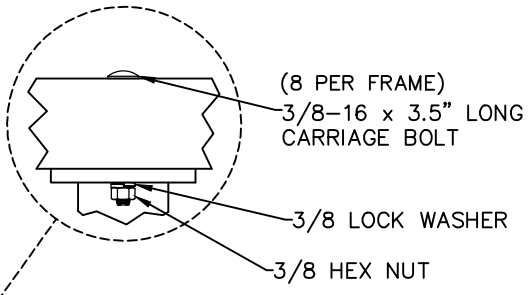
Form Version: January 2013
CSI Form 1.5C

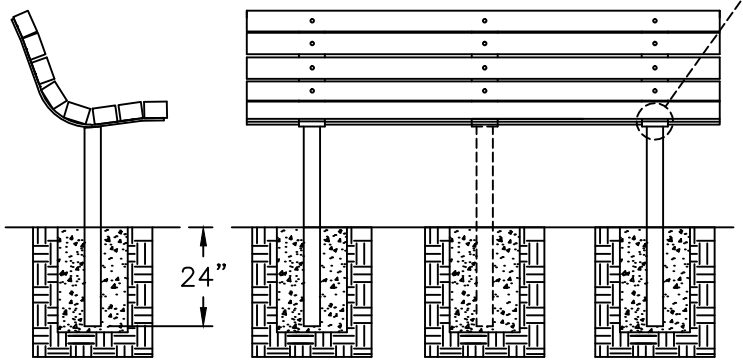
ALL LUMBER AND RECYCLED PLASTIC LUMBER WILL BE 3" X 4" NOMINAL SIZE

BENCHES COME IN 6 FT. & 8 FT. LENGTHS

FRAMES COME WITH THE OPTION OF GALVANIZED COATING OR BLACK POWDER COATING

SEE PAGE 2 FOR ORDER SPECIFICATIONS



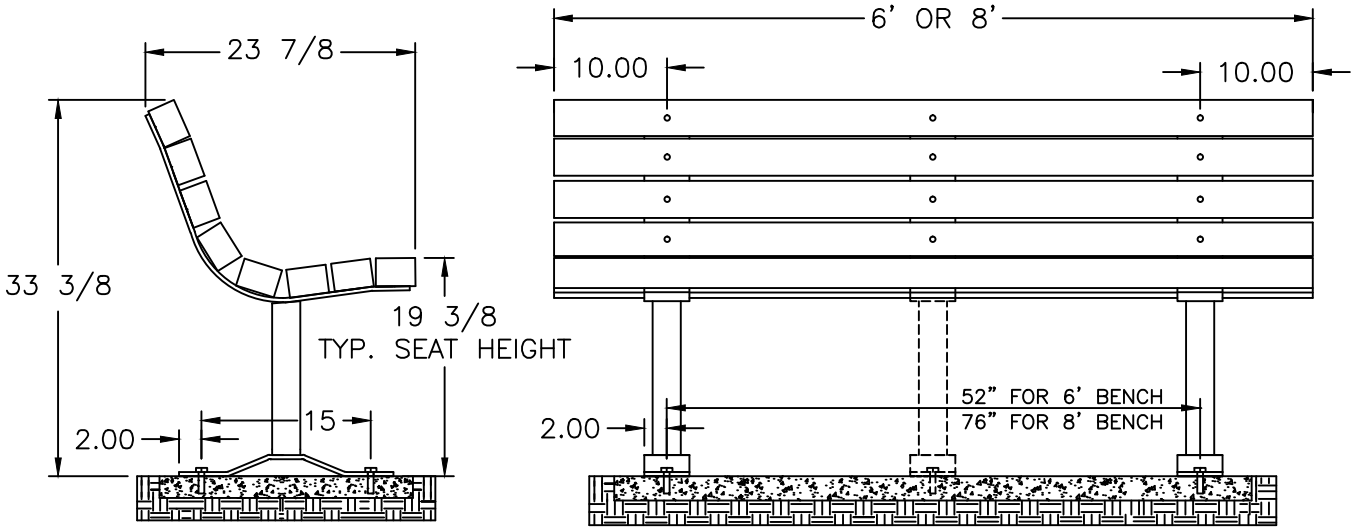


ALL SEAT BRACKETS AND FOOT MOUNTING BRACKETS ARE 3/8" X 4" STEEL BAR STOCK

POSTS ARE 2 1/2" SQUARE TUBE

NOTE: CENTER FRAME IS REQUIRED WITH RECYCLED PLASTIC LUMBER

INGROUND MOUNT FRAMES SHOULD BE BURIED IN SUFFICIENT AMOUNT OF CONCRETE TO SECURELY HOLD UNIT IN PLACE FOR INTENDED USE AND ENVIRONMENTAL CONDITIONS



FRAMES SHOULD BE ANCHORED TO A CONCRETE PAD PROVIDED BY THE CUSTOMER

WARNING: MUST BE PERMANENTLY MOUNTED

CUSTOMER APPROVAL :	DATE :
JAMESTOWN ADVANCED PRODUCTS CORPORATION	THIS DRAWING, WHICH CONTAINS PROPRIETARY INFORMATION, IS THE PROPERTY OF JAMESTOWN ADVANCED PRODUCTS CORPORATION. IT SHALL NOT BE REPRODUCED IN ANY MANNER NOR DISCLOSED TO THIRD PARTIES WITHOUT WRITTEN PERMISSION OF JAMESTOWN ADVANCED PRODUCTS CORPORATION.
	DATE : 10–23–00
	PRODUCT PART NUMBER : 11641
	REV. NO. 2 11/5/15
	PRODUCT DESCRIPTION : CONTOUR BENCH PAD MOUNT OR INGROUND MOUNT
	2855 GIRTS ROAD JAMESTOWN, NY 14701

PHONE 800–452–0639 –– FAX 716–483–5398 –– WWW.JAMESTOWNADVANCED.COM

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Rock Creek School Replacement Project

Substitution Request Number: 01

From: Jamestown Advanced Products

To: Dustin Construction Inc.- Lloyd Hill

Date: 7/19/2019

A/E Project Number: 10080.19 LP, 17-22, 19C14,2017171.00,MDFPS31045702

Re:

Contract For: Frederick County Public Schools

Specification Title: Site Furnishing

Description: Bike Racks, Benches, and Trash Receptacles

Section: 32 30 00 Page:

Article/Paragraph:

Proposed Substitution: Kennedy Dual Sided Bike Rack, Powder Coated, Surface Mount

Manufacturer: Jamestown Advanced Products Address: 2855 Girts Road, Jamestown, NY, 14701 Phone: (800)452-0639

Trade Name: Site Furnishings Model No.: 13143-1-1

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- ~~Same warranty will be furnished for proposed substitution as for specified product~~. Please see attached full terms and conditions (includes warranty information)
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- ~~Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution~~. Jamestown Advanced Products is a supplier/manufacturer of site furnishings only.

Submitted by: Brittany Green, Bid Specialist

Signed by: Brittany Green

Firm: Jamestown Advanced Products

Address: 2855 Girts Road, Jamestown, NY, 14701

Telephone: (800)452-0639 x214

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Date:

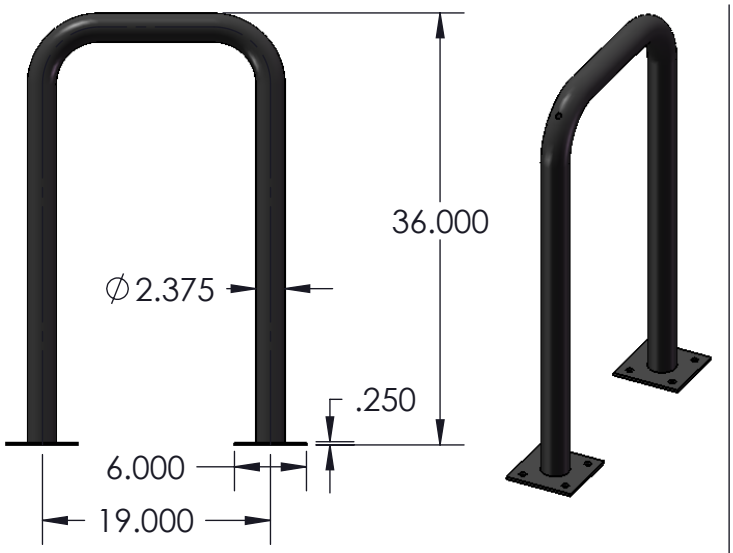
Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

© Copyright 2013, CSI,
110 South Union St., Suite 100, Alexandria, VA 22314

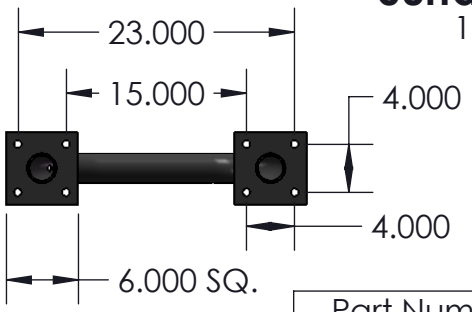
Form Version: January 2013
CSI Form 1.5C

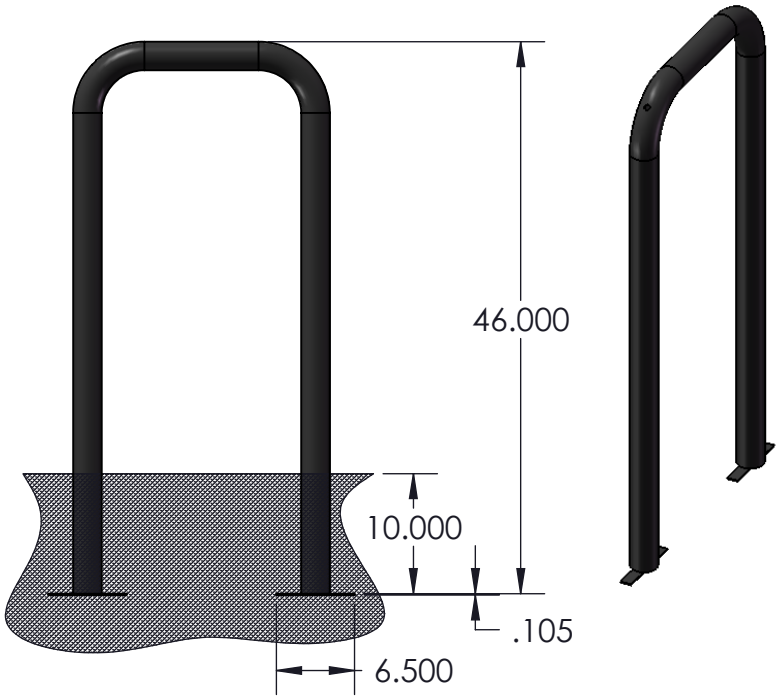
KENNEDY BIKE RACK
MODEL #13143-X-X

- 2 bike dual sided rack capable of parking 1 bike per side.
- The u-frame is fabricated using 2-3/8" OD tube/pipe and (2) 1/4" thick steel surface mounting plates or (2) 1" x 6-1/2" 12 ga. steel in-ground anchors.
- All welded component fabrication. Approximate weight for surface mount = 27lbs., in-ground mount = 31lbs.
- Mounting options available are surface or in-ground mount.
- There are (3) different finishes available to protect this bike rack from the elements:
  - Powder coated paint finish with your choice of colors (available upon request).
  - Plascoat (thermoplastic powder) is excellent protection against the elements with your choice of colors (available upon request). Plascoat is resistant to stress cracking, adverse weather conditions, detergents, salt spray and typical airborne pollutants. The material maintains excellent adhesion to the metal substrate and provides good abrasion and impact resistance.
  - Hot dip galvanized finish.



Surface Mount
13143-X-1





In-Ground Mount
13143-X-2

Part Number	Description
13143-1-1	Powder Coated Surface Mount
13143-1-2	Powder Coated In-Ground Mount
13143-2-1	Plascoat Surface Mount
13143-2-2	Plascoat In-Ground Mount
13143-3-1	Hot Dip Galvanized Surface Mount
13143-3-2	Hot Dip Galvanized In-Ground Mount

WARNING: MUST BE PERMANENTLY MOUNTED

CUSTOMER APPROVAL :

DATE :

JAMESTOWN ADVANCED PRODUCTS CORPORATION

THIS DRAWING, WHICH CONTAINS PROPRIETARY INFORMATION, IS THE PROPERTY OF JAMESTOWN ADVANCED PRODUCTS CORPORATION. IT SHALL NOT BE REPRODUCED IN ANY MANNER NOR DISCLOSED TO THIRD PARTIES WITHOUT WRITTEN PERMISSION OF JAMESTOWN ADVANCED PRODUCTS CORPORATION.

DATE : 15 NOV 07

PRODUCT PART NUMBER : 13143

REV. NO. 2 12/10/15

PRODUCT DESCRIPTION :
KENNEDY BIKE RACK

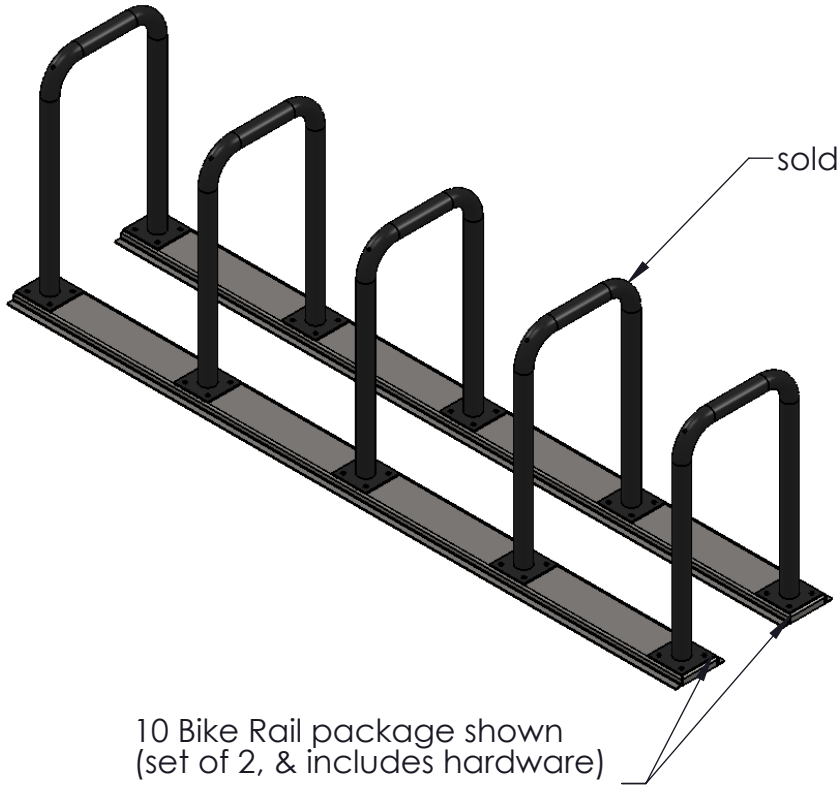
2855 GIRTS ROAD
JAMESTOWN, NY 14701

PHONE 800-452-0639 -- FAX 716-483-5398 -- WWW.JAMESTOWNADVANCED.COM

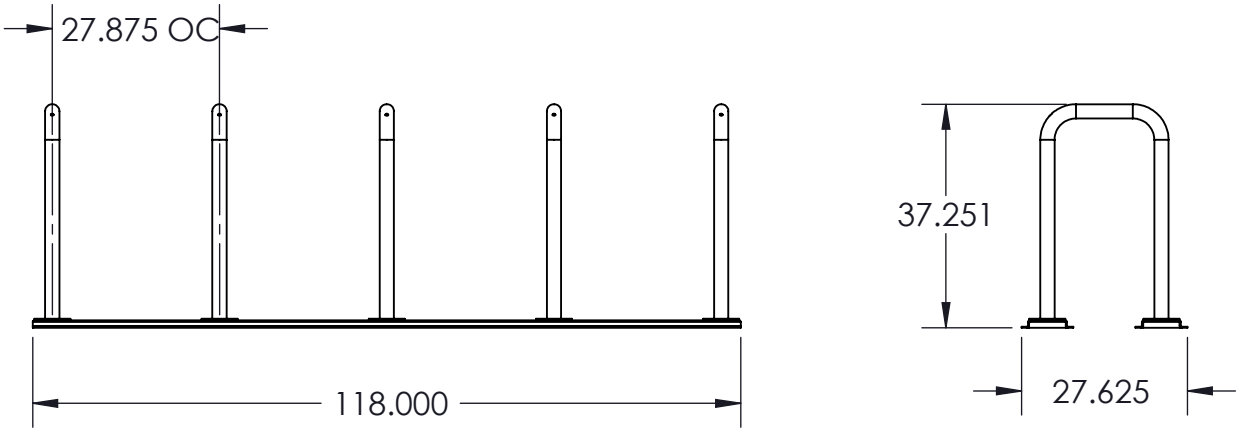
KENNEDY BIKE RACK WITH RACK EXTENSION RAILS
MODEL #13143-X-X

- 2 bike dual sided rack capable of parking 1 bike per side.
- The u-frame is fabricated using 2-3/8" OD tube/pipe and (2) 1/4" thick steel surface mounting plates or (2) 1" x 6-1/2" 12 ga. steel in-ground anchors.
- Extension rails are constructed from 3/16" (7 ga.) A36 steel.
- 1/2 bolts are used to assemble the standard pad mount bike racks to the rails (hardware provided).
- Approximate weight of the rails only (set of 2 + hardware) = 135 lbs

OPTIONS
14 BIKE RAIL SET
12 BIKE RAIL SET
10 BIKE RAIL SET
8 BIKE RAIL SET
6 BIKE RAIL SET
4 BIKE RAIL SET



10 Bike Rail package shown
(set of 2, & includes hardware)



WARNING: MUST BE PERMANENTLY MOUNTED

CUSTOMER APPROVAL :

DATE :

JAMESTOWN ADVANCED PRODUCTS CORPORATION

THIS DRAWING, WHICH CONTAINS PROPRIETARY INFORMATION, IS THE PROPERTY OF JAMESTOWN ADVANCED PRODUCTS CORPORATION. IT SHALL NOT BE REPRODUCED IN ANY MANNER NOR DISCLOSED TO THIRD PARTIES WITHOUT WRITTEN PERMISSION OF JAMESTOWN ADVANCED PRODUCTS CORPORATION.

DATE : 21 JUNE 13

PRODUCT PART NUMBER : 13143

REV. NO.

PRODUCT DESCRIPTION :
KENNEDY BIKE RACK

2855 GIRTS ROAD
JAMESTOWN, NY 14701

PHONE 800-452-0639 -- FAX 716-483-5398 -- WWW.JAMESTOWNADVANCED.COM

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Rock Creek School Replacement Project

Substitution Request Number: 01

From: Jamestown Advanced Products

To: Dustin Construction Inc.- Lloyd Hill

Date: 7/19/2019

A/E Project Number: 10080.19 LP, 17-22, 19C14,2017171.00,MDFPS31045702

Re:

Contract For: Frederick County Public Schools

Specification Title: Site Furnishing

Description: Bike Racks, Benches, and Trash Receptacles

Section: 32 30 00 Page:

Article/Paragraph:

Proposed Substitution: 48" Square Top Pedestal Table with Recycled Plastic Lumber Tops/Seats, Powder Coated Frame with Zinc Primer, In-Ground Mount

Manufacturer: Jamestown Advanced Products Address: 2855 Girts Road, Jamestown, NY, 14701 Phone: (800)452-0639

Trade Name: Site Furnishings Model No.: 12894-3

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- ~~Same warranty will be furnished for proposed substitution as for specified product~~. Please see attached full terms and conditions (includes warranty information)
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- ~~Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution~~. Jamestown Advanced Products is a supplier/manufacturer of site furnishings only.

Submitted by: Brittany Green, Bid Specialist

Signed by: Brittany Green

Firm: Jamestown Advanced Products

Address: 2855 Girts Road, Jamestown, NY, 14701

Telephone: (800)452-0639 x214

A/E's REVIEW AND ACTION

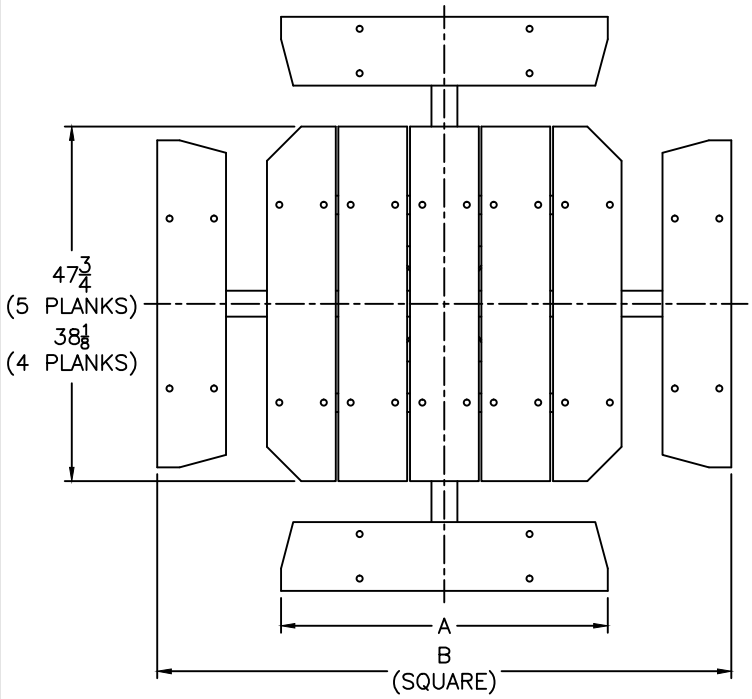
☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Date:

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

© Copyright 2013, CSI,
110 South Union St., Suite 100, Alexandria, VA 22314

Form Version: January 2013
CSI Form 1.5C



- T[illegible] r[illegible] □ d[illegible] [illegible]r[illegible] [illegible]r[illegible] □ [illegible]r□ [illegible] □d[illegible] [illegible] [illegible]r [illegible]r[illegible] □ [illegible]d □[illegible] □ [illegible] [illegible] [illegible] [illegible]r [illegible] □dd□d [illegible] □ [illegible]r[illegible] [illegible].
- T[illegible] [illegible] [illegible] r[illegible] □ [illegible] [illegible] [illegible]r□d[illegible] □ [illegible] [illegible]38" 4 [illegible] [illegible] r □ [illegible] [illegible]48" 5 [illegible] [illegible].
- T[illegible] [illegible]r [illegible] [illegible]r□r[illegible] [illegible] □d [illegible] [illegible] [illegible] r[illegible] □ [illegible] [illegible] □ □ [illegible] [illegible] □d□d [illegible]r[illegible].
- T[illegible] [illegible] r[illegible] □ [illegible] [illegible] [illegible] [illegible] □ [illegible]r[illegible] [illegible]r □ [illegible] [illegible] [illegible]r□ [illegible]d[illegible] [illegible] [illegible] [illegible]r [illegible] r[illegible] □[illegible]r[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]d.
- T[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 31□13□16" □d [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Request for Information 000.PB144

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB144 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject	Trade Contractor
Fill Material	Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 7/29/2019**

Earthmoving Spec 31 20 00 2.1.B and Building Earthwork Spec 31 20 05 2.1.B require all fill material to be Unified Soil Classification ML or more granular. The geotechnical report shows that essentially all the material onsite is classified as CL. Therefore, all cut material would not be suitable for fills so that would need to be hauled off the project and all fills would need to be imported into the project. This would also apply to the material going back into the utility trenches. Please advise if this is the intent of the project as this will be extremely costly.

Suggestion

Answer **Date Answered:**

In Section 6.2.3 of the Geotech Report, it outlines some limits for plasticity of structural fills depending on where and how deep they are being placed. The Geotech recommendations allow for some of the poorer soils to be used in the lower 4 feet of the mass fill for the building. Better quality soils shall be used above.

Additionally, in lieu of hauling off, some of the higher plasticity soils can be utilized in the SWM areas to prevent infiltration into the karst geology below.

At the contractor's option, the use of lime modification or soil cement to treat the potentially unsuitable soils for use as suitable structural fill under the building pad will be permitted.

Request for Information 000.PB152

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB152 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Waynesboro Construction Co, Inc. 7101 Guilford Drive, Suite 203 Frederick, Maryland 21704

Author RFI Number

Subject

Missing Pipe Profiles

Trade Contractor

Waynesboro Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Below is the list of pipes that I do not see profiles for:

* I25-Outfall
* Large " Box Culvert" from west to east Shown as 8'x4' one page 96" on another page
* Dual Run of storm drain from pond to outfall at retaining wall on west side to pond on east side
* Large Pipe west corner to SW corner between retaining walls
* Pipe connector between ponds on NE corner of job site.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Details to be included in Addendum 5.

Request for Information 000.PB158

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB158 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Waynesboro Construction Co, Inc. 7101 Guilford Drive, Suite 203 Frederick, Maryland 21704

Author RFI Number

Subject	Trade Contractor
Site Retaining Walls	Waynesboro Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/29/2019**

Please clarify the site retaining walls. The plans show what appear to be a cast-in-place concrete wall and the spec is for segmental walls. If they are CIP concrete retaining walls, a design needs to be provided.

Suggestion

Answer — **Date Answered:**

Details are included in Addendum 05. C-3U and C-3V.

Request for Information 000.PB164

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB164 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Lintels at Fire Walls

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Specific Scope of Work item 45 of 05A states that steel is not permitted for lintels in fire walls.
Please verify if 'scheduled' lintel type L1 indicated on S102D at the locations of doors 721/1 and 722/1 on A101D at Laundry 721 and Elec. 722 should be precast lintels.

Suggestion

Answer | **Date Answered:**

All lintels in firewalls shall be revised to precast type. This includes the door openings listed above and also at cross-corridor doors 012/1, 020/1, and 022/2 within firewalls. See sheets S101B, S101C, and S101D.

PAA Response - 7/30/2019

Request for Information 000.PB166

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB166 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Pre-Engineered Platforms and Stairs

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Please advise if the architect has a particular manufacturer's product type and specification in mind for the Removable Pre-engineered Platforms and Stairs on sheet A403.
We intend to bid these as custom shop fabricated units. Is that the intent?

Suggestion

Answer | **Date Answered:**

Custom shop-fabricated units are acceptable. They could also be provided by a prefabricated stair manufacturer such as ErectaStep or FS Industries.

PAA Response - 7/30/2019

Request for Information 000.PB168

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB168 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Blocking at Parapet

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Please advise if the blocking under the parapet coping in 2/A521 needs to be anchored to the masonry wall.

Advise the type of fastener required.
Advise which trade package supplies the fasteners
Advise which trade package installs the fasteners in the block wall.

Suggestion

Answer | **Date Answered:**

06A to supply and install fasteners for blocking.

Yes, blocking should be mechanically fastened to masonry wall.

Request for Information 000.PB169

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB169 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

CIP Headwalls

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Please provide structural details for the CIP headwalls - walls #1, #2 & #4.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB172

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB172 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject	Trade Contractor
Riser Structure	Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/29/2019**

Per plan view, there looks to be a proposed Riser Structure on the upstream end of the twin 48" storm drain pipes, yet on the profile (C-4N & C-4P) nothing is shown. Please provide details if a riser structure will be required.

Suggestion

Answer — **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Detail to be included in Addendum 5.

Request for Information 000.PB173

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB173 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

Structures at Storm Piping

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Please provide details/specs for the two structures shown in-line with the twin 48” storm drain pipes.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Detail to be included in Addendum 5.

Request for Information 000.PB174

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB174 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject	Trade Contractor
Headwall at SWM Pond	Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/29/2019**

Please confirm a headwall will not be required for the existing twin 54”x38” CMP entering the East side of the SWM pond.
If so, then please provide details.

Suggestion

Answer — **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 4 and 5 for clarifications. This is called out as Wall 2.

Request for Information 000.PB175

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB175 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject	Trade Contractor
Headwall at Box Culvert	Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Please confirm a headwall will not be required on the upstream end of the proposed 8x4 box culvert. If so, then please provide details.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB176

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB176 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

Concrete Swale

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

On sheet C-3E a “Concrete Storm Drain By-Pass Swale” is called for yet no details or limits are provided. Please clarify.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please disregard the reference to "concrete swale"

Request for Information 000.PB177

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB177 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

Sewer Manhole S-2

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

On sheet C-3L & C-3M sewer manhole S-2 is noted with a top elev. of 289.37, which is approx. 8' below proposed finish grade.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB181

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB181 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	T.J. Distributors 2220 Commerce Rd., Unit 5 Forest Hill, MD 21050

Author RFI Number

Subject

Gymnasium Equipment Control

Trade Contractor

TJ Distributors

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Section 11 66 23, paragraph 2.6 specifies a control station for the basketball hoops and divider curtain but drawing E101D, drawing notes 2 & 3 indicate key-switch operation. Can you confirm that a control station as specified in Section 11 66 23 will be required in lieu of key-switches?

Suggestion

Answer | **Date Answered:**

A control station should be provided as required in section 11 66 23. Electrical drawings shall be revised to indicate coordination with control station rough-in requirements.

PAA Response - 7/30/2019

Request for Information 000.PB186

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB186 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Interstate Corporation 16031 Industrial Drive Gaithersburg, MD 20877

Author RFI Number

Subject	Trade Contractor
Roof Equipment Screens	Interstate Corporation

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Spec. Section 074213.13, Para. 2.2C-Perforated Metal Wall Panels,MWP-2 is related specification to roof equipment screen.
In spec. section 108213, basis of design of roof equipment screen is Cityscapes, and ATAS(ATAS does not produce equip. screen system).
Cityscapes's rooftop screen system has it's own panel styles as attached catalog, and specification section 074213.13 doesn't need to be related specification requirement;
Please clarify.

Suggestion

Answer | **Date Answered:**

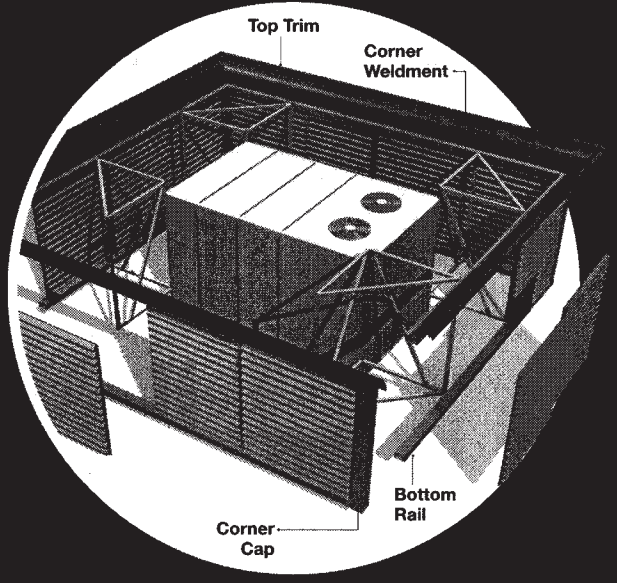
Basis-of-Design is products by RoofScreen Manufacturing. ATAS International and Cityscapes do not have equivalent products.
Section 10 82 13: REPLACE paragraph 2.3.A.1 with "1. Cascade Rooftop Screens" and DELETE paragraph 2.3.A.2.

INNOVATIVE ROOFTOP SCREENS

- **ZERO ROOFTOP PENETRATION**
- **APPROVED FOR USE WITH MOST MAJOR BRANDS**
- **SLIDING PANELS FOR EASY SERVICE ACCESS**

Attractive, code-compliant and long lasting, Envisor equipment screens offer affordable, elegant, customized screening solutions that blend into the overall design, all with no rooftop penetration.

Our patented roof screen system provides practical solutions for municipal screening requirements of HVAC units, chillers, air handlers, power exhausts, roof stacks, communication equipment – you name it!



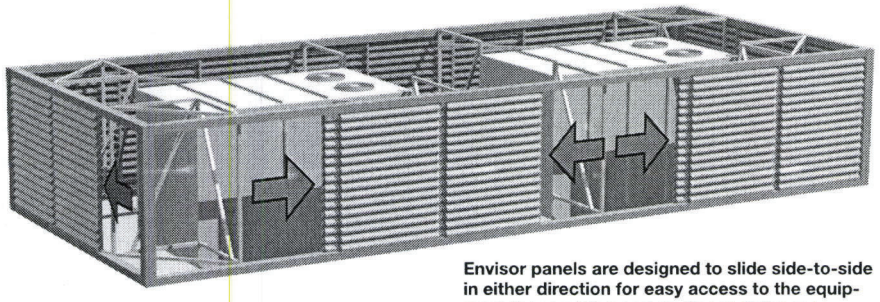
envisor®

U.S. Patent No. 5,664,384
U.S. Patent No. 7,000,362
U.S. Patent No. 7,707,798

envisor®

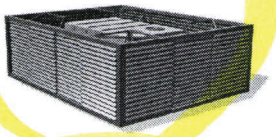
Customizing a screen to fit your needs is easy. Simply choose your design, panel style, trim option and color and tell us about the units you want to screen, our project managers will take care of it.

- Professional grade extruded aluminum structural components
- Patented panel guide tracks
- Acrylicap® ABS with UV co-extruded cap on both sides or durable, weather-resistant aluminum

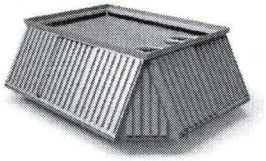


Envisor panels are designed to slide side-to-side in either direction for easy access to the equipment for servicing and routine maintenance.

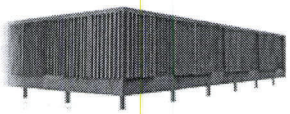
DESIGN OPTIONS



Vertical



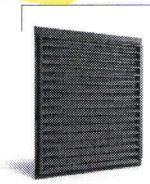
Canted



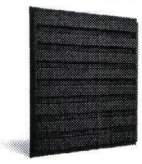
Perimeter Wall

PANEL STYLES

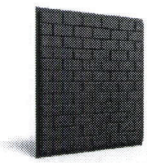
ACRYLICAP ABS



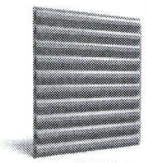
Louver



Horizontal Rib



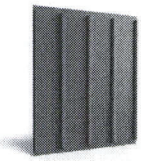
Brick



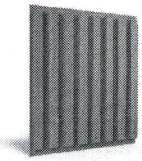
7.2 Rib

Pan

Forest

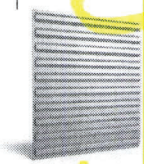


Batten



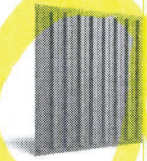
Vertical Rib

METAL

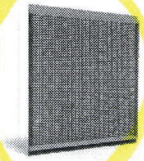


7.2 Rib Metal

Pan Metal



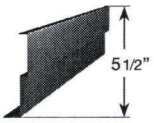
Vertical Rib Metal



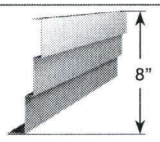
Perforated Metal

TOP TRIM OPTIONS

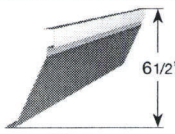
Band



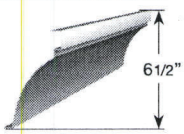
Step 2



Step 3



Alamo



Cove

COLOR OPTIONS

Alabaster	Almond	Cypress Moss	Dark Bronze
Forest Green	Khaki	Oyster	Mansard Brown
Putty	Ranchero Red	Sagebrush	Shadow Gray
Slate Gray	Custom Color		

CUSTOM SOLUTIONS

Envisor equipment screens can be manufactured in a limitless combination of shapes and configurations. Let us design one for you! Just tell us the equipment manufacturer, the model numbers, and the special requirements you might have. Call or visit us online.

cityscapes
architectural innovations

(877) 727-3367 CITYSCAPESINC.COM
Envisor | Covrit | ToughGate | NatureScreen | Planx

Request for Information 000.PB188

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB188 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Interstate Corporation 16031 Industrial Drive Gaithersburg, MD 20877

Author RFI Number

Subject

Sheathing/Roof Blocking

Trade Contractor

Interstate Corporation

Cc:	Company Name	Contact Name	Copies	Notes

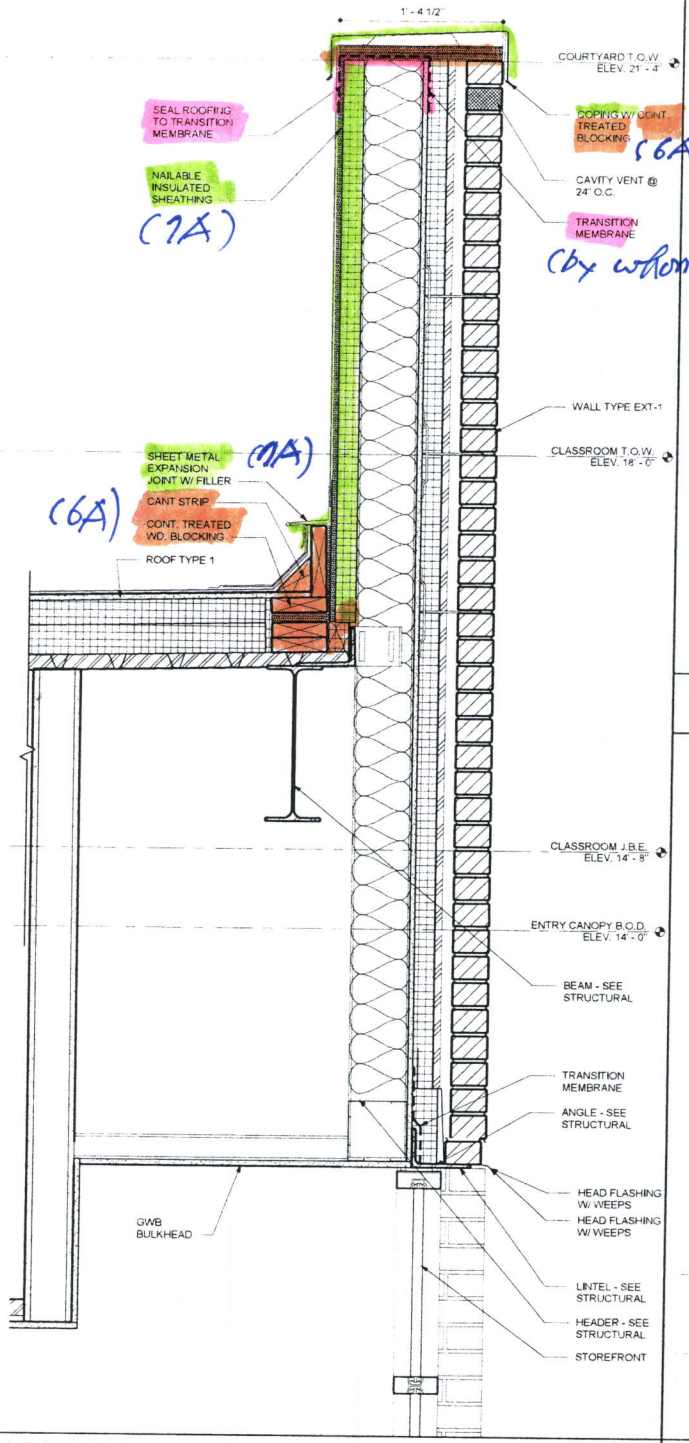
Question — **Date Required: 7/29/2019**

Nailable Insulated Sheathing at parapet/ clear story walls belongs to 7A work scope, while all roof wood blocking works belongs to 6A work scope.
Please confirm work scope sketch attached(Ref. Dwg 3,4/A521) is correct, or not.;
Nailable insulated sheathing installation by 7A Contractor before parapet top wood blocking and roof perimeter wood blocking by 6A is not practical considering sequence of work.

Suggestion

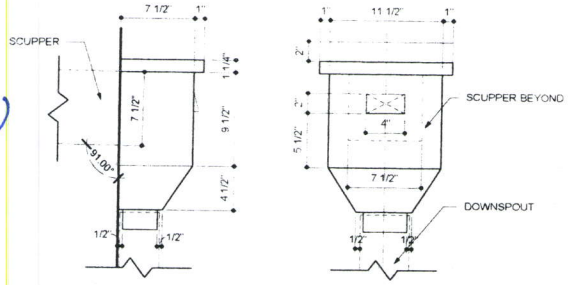
Answer — **Date Answered: 7/31/2019**

Scoping remains as is, 06A and 07A to coordinate installation and work together. Transition membrane is by 07A



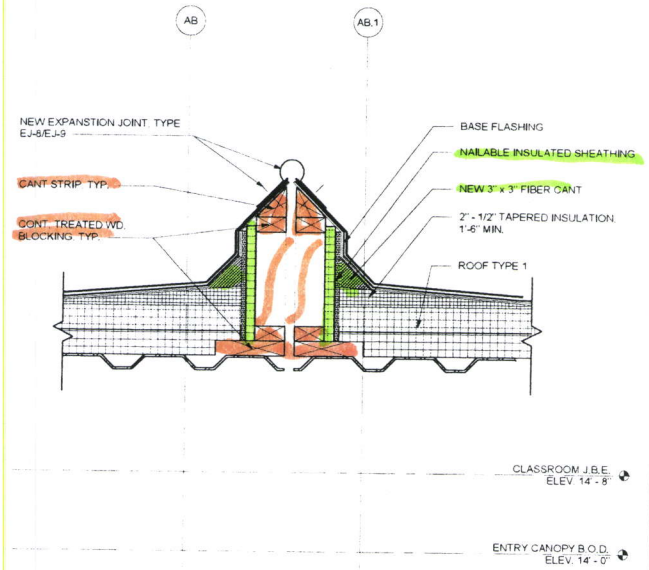
3 ROOF DETAIL - MEDIA RESOURCE

SCALE 1 1/2" = 1'-0"



5 CONDUCTOR HEAD DETAIL

SCALE 1 1/2" = 1'-0"



4 ROOF DETAIL - EXPANSION JOINT

SCALE 1 1/2" = 1'-0"

Dwg A521

Request for Information 000.PB189

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB189 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Interstate Corporation 16031 Industrial Drive Gaithersburg, MD 20877

Author RFI Number

Subject

Metal Deck Bent Plate

Trade Contractor

Interstate Corporation

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Metal Deck Bent Plate at roof deck elevation changes;

Please clarify which package contractor is responsible to supply and install Metal Deck Bent Plate? (Ref. Dwg 2/A103, Roof Note #10)

Suggestion

Answer | **Date Answered: 7/31/2019**

Bent Plate shall be furnished and installed by 05A Contractor, shall be 18 gauge

Request for Information 000.PB192

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB192 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Bollards	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Plan Sheet C-3H, Detail #7 Bollard, please identify the plan locations of these bollards.

Suggestion

Answer | **Date Answered: 7/25/2019**

See addendum 4 for updated locations.

Request for Information 000.PB196

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB196 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Sheet C-3A	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Plan Sheet C-3A appears to show roof drain lines, however, there are no profiles or other indication of pipe sizes or inverts, are these part of the 2A scope, if so, please provide profiles.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications. Yes, they are part of the 2A scope.

Request for Information 000.PB198

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB198 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Sewer Manhole 2	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/29/2019**

Plan Sheet C-3L, Please confirm the top elevation of sewer manhole 2 as 289.37, which appears to be 8 feet below finished grade elevation per profile.

Suggestion

Answer — **Date Answered: 7/31/2019**

Duplicate Question, see the response to PB177

Request for Information 000.PB199

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB199 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Retaining Walls	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Plan Sheet C-3U, please provide cross sections for the four proposed walls, showing any drainage material and /or piping behind walls. Please provide details for the wall finish.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Details are included in Addendum 5. C-3U and C-3V.

Request for Information 000.PB201

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB201 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Box Culvert Inverts	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/29/2019**

Plan Sheet C4F, please provide inverts, both in and out for the 96" box culvert. Is the invert in below the bottom of the swale as shown? Does the inflow side of the box culvert have any headwall? Please clarify.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Inverts are shown on sheet C-4F in addendum 5. Culvert will include a headwall @ inflow side.

Request for Information 000.PB205

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB205 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Inflow Treatment	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 7/29/2019**

Plan Sheet C-4N & C-4P, please provide information for the inflow treatment (headwall, end section) for the 48” inflow pipes at station 1+21 & 1+23 respectively.

Suggestion

Answer **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB230

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB230 | **Date Submitted: 7/22/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
FRP Door Color	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/29/2019**

Spec 081613 -2.3.A.2.c indicates the FRP door are to be a custom color. However para. 2.3.B.2.c indicates the color will be selected from the manufacturer's full range. If the color is in fact to be custom please indicate the required color the manufacturer is to match.

Suggestion

Answer — **Date Answered:**

FRP door and frame color shall be custom. Section 08 16 13, REVISE paragraphs 2.3.A.2.c and 2.3.B.2.c to read as follows:

"Color: Custom color to match approved color for hollow metal doors (SW 7047 Porpoise)."

Request for Information 000.PB234

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB234 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Douglas Equipment 301 North Street Bluefield, West Virginia 24701

Author RFI Number

Subject

11400 Items 19 and 20

Trade Contractor

Douglas Equipment

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/31/2019**

In order for me to provide pricing on item numbers 19 and 20. I will need to know the exact color, color number, manufacture and any and all grain details of the laminate that is required for those units in order to get you pricing. This requires an SMR set up and does take some time to get them completed.

Suggestion

Answer — **Date Answered: 7/31/2019**

Provide manufacturer and models as specified. Laminate color to be chosen by the Design Team during submittal process.

Request for Information 000.PB238

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB238 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Victor Stanley, Inc. 2103 Brickhouse Road Dunkirk, MD 20754

Author RFI Number

Subject	Trade Contractor
Site Furnishings	Victor Stanley

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Specifications (section 32 30 00 pgs. 1-2) include:

BRWS-101 bike racks,
Model 32 benches and
ES-242 litter receptacles plus
(2) Replacement slats for the benches and
(1) Replacement liner for the litter receptacles

Detail sheets (C-3J and L2.7) include:

C-3J: inverted U bike rack
L2.7: Model 8 bench and
L2.7: CP-3 picnic table

Plans: (L2.4) include:

(2) Picnic tables showing 4 seats each (model CP-4)
(7) Benches
No bike racks
No receptacles

Questions:

- Which bench should be quoted: Model 32 or Model 8? **Model 8 See Detail 10 L 2.7**
  - If Model 32 bench is preferred, please provide: length, slat type, mount, and powder coat color. **8ft,Recycled plastic(Maple)**
  - Are (2) replacement slats required? **YES** **In-ground Mount, Color Bronze**
- Which picnic table is preferred: CP-3 (which has 3 seats) or CP-4 (which has 4 seats)?
- Are bike racks (BRWS-101) needed? **YES** **Model CP-3 See Detail 11 L 2.7**
  - If so, please provide plan page or quantity. **6 racks required, to fit 12 bikes. See C-3D**
  - Is hot-dipped galvanizing required? **NO Hot-Dipped Coating. Powder Coating is required.**
- Are receptacles (ES-242) needed? **YES**
  - If so, please provide plan page or quantity. **Please allow for 6 Trash Receptacles**
  - Is (1) replacement liner required **Yes**

Thanks so much for all our help!

Suggestion

Answer **Date Answered:**

Request for Information 000.PB241

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB241 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

18 Ga. Plates

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

There are 18 ga. steel plates noted in details 1, 3 & 4/A307 that do not appear in the enlarged details in 1, 2 or 3/A520.

Please advise if these 18 ga. plates are part of the project.
Please confirm the 05A scope of work does not include these plates, or any other sheet metal as light as 18 gauge.

Suggestion

Answer | **Date Answered:**

Verticcal surface shall be GWB per details on A520 in this location.

Request for Information 000.PB249

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB249 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Stella May Contracting, Inc. 1512 Edgewood Road Edgewood, MD 21040

Author RFI Number

Subject

Wall Profiles

Trade Contractor

Stella May Contracting

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

There is no profile or detail for the pipe running from wall 1 to Wall 4

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Detail to be included in Addendum 5.

Request for Information 000.PB250

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB250 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Stella May Contracting, Inc. 1512 Edgewood Road Edgewood, MD 21040

Author RFI Number

Subject

Box Culvert Detail

Trade Contractor

Stella May Contracting

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Please provide a detail for the 96” Box Culvert

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Detail is based on the standard 4' x 8' precast box culvert .

Request for Information 000.PB252

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB252 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Stella May Contracting, Inc. 1512 Edgewood Road Edgewood, MD 21040

Author RFI Number

Subject

Trash Racks

Trade Contractor

Stella May Contracting

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Sheet C-2H there is a detail for a Trash rack but I don't seen any shown on C-2A through C-2E. please provide the location of this trash racks

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications. This will be inside the StormTrap during the sediment control stage,

Request for Information 000.PB253

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB253 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Durex Coverings, Inc. 50 Thomas Avenue Baltimore, MD 21225

Author RFI Number

Subject	Trade Contractor
RES-3 Finish	Durex Coverings

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Going thru the documents for this project and I noticed an RES-3 listed on the finish schedule for 2 areas…could you please let me know which resinous flooring finish applies to the RES-3 designation?

Suggestion

Answer | **Date Answered:**

See the Color Schedule on A-609 for designation of finishes.

Request for Information 000.PB254

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB254 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Walkway Cover Installation

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Regarding Metal Walkway Covers, Section 10 73 26.13-3 Part 1.7 B. states the covers are to be installed by manufacturer, third party installation is not acceptable.
We have had issues with the specified manufacturers quoting the installation of their walkway covers on other bids.
We will not know until close to bid day whether this will be an issue on this project.
Can third party installation be acceptable if manufacturer balks at doing the installation?

Suggestion

Answer | **Date Answered:**

3rd Pary Installation is not preferred but can be reviewed on case by case basis.

PAA Response, 07.30.19

Request for Information 000.PB255

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB255 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Walkway Cover Finish

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Please clarify the required finish for Metal Walkway Covers.
Section 10 73 26.13-3 Part 2.6 D. 1. indicates Clear Anodized.
Section 10 73 26.13-3 Part 2.6 D. 2. indicates two-coat fluoropolymer.
Which finish is to be used?

Suggestion

Answer | **Date Answered:**

The deck will is required to be a kynar finish in order to meet the required SRI value.

The other components of the walkway will be clear anodized finish.

PAA Response, 07.31.19

Request for Information 000.PB256

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB256 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject	Trade Contractor
Brick Column Enclosure	Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/31/2019**

Please note that 3/A404 refers us to Struct Dwgs for galv brick shelf angles at canopy columns.
Detail 13/S202 indicates the steel angles being field welded to the column.
The walkway cover columns are aluminum per specifications.
Steel cannot be welded to aluminum and mechanical fasteners may not be structurally adequate and would likely compromise the internal drainage feature of the column.
Please provide a revised brick column enclosure shelf support detail.

Suggestion

Answer — **Date Answered: 7/31/2019**

Bid as per bid documents, expect a revision to details during construction

Request for Information 000.PB258

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB258 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Window Consultants, Inc. 7 Gwynns Mills Court Owings Mills, Maryland 21117

Author RFI Number

Subject	Trade Contractor
Glazing Types	Window Consultants, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/31/2019**

Will the window/storefront and curtain wall frames be labeled as to which type of glass will be glazed into these frames. For example, the glazing schedule states that GL-5 is to be a one-way mirror tempered glass. However, there is nothing called out location for this in the specs or drawings. Another example, the glazing schedule states that IG-2 is to be used at the aquatic area. On detail 1/A101B, there are interior frames (sf19) and exterior frames (sf15 & cw6). The specs fail to mention if this type of glass is used for interior only, exterior only, or both. Please clarify.

Suggestion

Answer — **Date Answered:**

See response on the next page.

1. GL-5 is called out at HM-8 on A602.
2. HM-2: TEMP
3. HM-2A: TEMP
4. HM-3: TEMP
5. HM-4: TEMP
6. HM-5: LAM
7. HM-6: LAM
8. HM-7: TEMP
9. HM-8: already noted GL-5
10. HM-9: TEMP
11. HM-10: LAM
12. HM-11: TEMP
13. HM-12: TEMP U.O.N. (LAM @ ROOM 914 IN ALTERNATE 1)
14. SF-1: IG-1
15. SF-1A: IG-1
16. SF-2: IG-1
17. SF-3: IG-1
18. SF-3A: TEMP
19. SF-4: IG-1
20. SF-5: IG-1
21. SF-6: IG-1
22. SF-7: IG-1
23. SF-7A: IG-1
24. SF-7B: TEMP
25. SF-7C: TEMP
26. SF-8: IG-1
27. SF-9: IG-1
28. SF-10: IG-1
29. SF-11: IG-1
30. SF-12: IG-1
31. SF-12A: IG-1
32. SF-13: TEMP
33. SF-14: IG-1
34. SF-15: IG-1
35. SF-15A: IG-1
36. SF-16: IG-1
37. SF-16A: IG-1
38. SF-16B: IG-1
39. SF-16C: IG-1
40. SF-17: IG-1
41. SF-18: IG-1
42. SF-19: IG-1
43. SF-20: IG-1
44. CW-1: IG-1
45. CW-2: IG-1
46. CW-3: IG-1
47. CW-4: IG-1
48. CW-5: IG-1
49. CW-6: IG-2
50. CW-7: IG-2
51. SF-B1: SG-1
52. SF-B2: SG-1
53. SF-B3 (Alternate #5 2 door 100/1): SG-1

Request for Information 000.PB260

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB260 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject

Casework Schedule

Trade Contractor

William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Is there a casework schedule for the scheduled numbers shown on typical casework elevations?

Suggestion

Answer | **Date Answered:**

See response to RFI 315 or 316.

Request for Information 000.PB261

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB261 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject

19/A702

Trade Contractor

William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Is elevation 19/A702 intended to be a solid surface counter?

Suggestion

Answer | **Date Answered:**

Yes, that is correct.

Request for Information 000.PB262

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB262 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject	Trade Contractor
Sinks at 5/A702, 1/A704	William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/31/2019**

Are the sinks at the left side of elevations 5/A702 and 1/A704 intended to be laminate casework? If so are the counters intended to be solid surface?

Suggestion

Answer — **Date Answered:**

These sinks shall be in laminate casework with a solid surface counter.

Request for Information 000.PB263

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB263 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject

Countertops 7,9/A703

Trade Contractor

William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Are countertops intended to be laminate or solid surface at elevations 7 & 9/A703?

Suggestion

Answer | **Date Answered:**

See response to RFI 226 issued in Addendum 04.

Request for Information 000.PB264

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB264 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject	Trade Contractor
D105 Cabinet	William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Verify there is a tall laminate cabinet intended in room D105 at elevation 4/A805.

Suggestion

Answer | **Date Answered:**

That is correct.

Request for Information 000.PB265

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB265 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject	Trade Contractor
Cabinet Locks	William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Advise where 123216 cabinet locks are intended.

Suggestion

Answer | **Date Answered:**

Cabinet locks shall be provided within the Health Suite

PAA Response, 07.30.19

Request for Information 000.PB266

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB266 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	William F. Klingensmith, Inc. 7307 Baltimore Avenue, Suite 209 College Park, MD 20740

Author RFI Number

Subject	Trade Contractor
Doors/Drawers Inset	William F. Klingensmith

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Verify casework specified in 123216 is intended to have doors and drawers inset between cabinet end panels with 5K hinges.

Suggestion

Answer | **Date Answered:**

Paragraph 2.02.B.7 shall be revised to indicate that drawers and door fronts shall be flush overlay design.

Update the hinge specification as follows:
Frameless Concealed Hinges (European Type): Commercial type, BHMA A156.9, Type B01602, 165 degrees of opening, self-closing.

1. Provide two hinges for doors up to and including 36 inches high.
2. Provide three hinges for doors over 36 inches, up to and including 54 inches high.
3. Provide four hinges for doors over 54 inches, up to and including 72 inches high.
4. Provide five hinges for doors over 72 inches high.

Request for Information 000.PB268

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB268 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754

Author RFI Number

Subject

Greenhouse Substitution Request

Trade Contractor

Nexus Corporation

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Substitution Request for specification section 133413

Suggestion

Answer | **Date Answered:**

Substitution request is approved. Deviation in steel yield strength and roof truss member sizes are acceptable pending engineering calculations complying with applicable codes. All other items shall meet specification requirements. Note that the Warranty period for the entire Greenhouse structure and systems has been revised to 2 years.

PAA Response - 7/30/2019

N·E·X·U·S
CORPORATION

LEADERS IN GREENHOUSE SYSTEMS INTEGRATION

July 23, 2019

Frederick County Public Schools
191 South East Street
Frederick, MD 21701

RE: 19C14, Rock Creek School Replacement Project - Greenhouse

Dear Ms. Miskell,

This letter is a formal request for Nexus Corporation to be accepted and listed by addendum as an approved manufacturer of the pre-engineered greenhouse structure, Specification Section 13 34 13, 2.01, A. for the Rock Creek School Replacement project, .

Nexus Corporation, started in 1967, is a leader in greenhouse manufacturing and engineering. For over 30 years Nexus Corporation has redefined enclosed environment growing with innovations such as: square tube column concept, one-piece welded steel and aluminum truss designs and Tenzaloy column cap and saddle. We have two manufacturing plants, located in Pana, IL, and Northglenn, CO.

Nexus Corporation will be able to provide a structure that meets all requirements in the Greenhouse Specification including providing plans stamped by an in-house Professional Engineer registered in the State of Maryland.

Nexus Corporation will provide all specified equipment.

If you have any questions, please do not hesitate to contact me. We look forward to working with you on the

Thank you,

Amy Bentz

Amy Bentz
Nexus Corporation
Institutional Division Sales Manager
Phone: 303-450-8536
Fax: 303-457-2801
Email: AmyB@nexuscorp.com

SUBSTITUTION REQUEST
(After the Bidding/Negotiating Phase)

Project: 19C14 Rock Creek School Replacement Project

To:

Re:

Substitution RequestNu mber:

From: Amy Bentz

Date: 7-24-19

A/E ProjectNu mber: 19C14 / 17-22

Contract For: Greenhouse

Specification Title: Greenhouses

Description: Greenhouse structure

Section: 13 34 13 Page: 4

Article/Paragraph: 2.01, A.

Proposed Substitution: Nexus Vail style greenhouse

Manufacturer: Nexus Address: 10983 Leroy Dr. Northglenn CO 80233 Phone: 303-450-8536

Trade Name: Nexus - Vail ModelNo. :

Installer: Address: Phone:

History: ☐ New product ☐ 1-4 yearso ld ☐ 5-10 yearso ld ☒ More than 10 yearso ld

Differencesbe tween proposed substitution and specified product: made with Nexus standard materials

☐ Point-by-pointco mparative data attached — REQUIRED BY A/E

Reason for notprov iding specified item:

Similar Installation:

Project: see attached list of references Architect:

Address: Owner:

Da te Installed:

Proposed substitution affectso ther parts of Work: ☒ No ☐ Ye s;exp lain

Savings to Owner for accepting substitution: to be determined at time of bid ($).

Proposed substitution changes ContractT ime: ☒ No ☐ Ye s [Add] [Deduct] days.

Supporting Data Attached: ☐ Drawings ☐ ProductDa ta ☐ Samples ☐ Te sts ☐ Reports ☐

© Copyright2013. CSI.
110 S. Union St., Suite 100, Alexandria, VA 22314

FormVer sion: September 2013
CSI Form13.1A

Nexus Corporation List of References

	Project Name	General Contractor	Architect
1.	**Donald Danforth Plant Science Center** 975 Warson Road St. Louis, MO 63123 Kevin Reilly , 314-587-1482 kreilly@danforthcenter.org	**K & S Associates** 516 Hanley Industrial Court St. Louis, MO 63144 314-647-3535	**Oates Associates, Inc.** 720 Olive Street, Suite 700 St. Louis, MO 63101 314-588-8381
2.	**Monsanto** 700 Chesterfield Parkway West Chesterfield, MO 63017 John Martine, 636-737-5123 john.j.martine@monsanto.com		**Burns and McDonnell** 9400 Ward Parkway Kansas City, MO 64116 Tom Tod, 314-682-1643 ttod@burnsmcd.com
3.	**Colorado State University** Fort Collins, CO Steve Newman,970-491-7118 steven.newman@colostate.edu		**Architectural Resource Group** 34 McKenna Court Livermore, CO 80536 Larry Trampe, 970-482-1828 argpcl@earthlink.com
4.	**Denver Botanical Gardens** 909 York Street Denver, CO 802006 Maggie Quinn, 720-865-3603 maggi.quinn@botanicgardens.org	**GH Phipps Construction** 5955 S. Greenhouse Plaza Blvd, Suite 100 Greenwood Village, CO 80111 Roger Triechler, 303-571-3577 roger.treichler@ghphipps.com	**Tyrba Architects** 1620 Logan Street Denver, CO 80203 303-831-4010
5.	**Simplot Plant Sciences** 5639 West Irving Street Boise, ID 83706	**Jordan-Wilcomb Construction** 406 S. 6th Street Boise, ID 863702 Jacqui Norton, 208-344-2441 jnorton@jwci.com	**Insight Architecture** 2238 Broadway Ave Boise, ID 83706 Stephen Pavlick, 208-338-9080 steve@insightarchitects.com

6. **Simplot Strawberry Potato Greenhouse**
5639 West Irving Street
Boise, ID 83706

Jordan-Wilcomb Construction
406 S. 6th Street
Boise, ID 863702
Jacqui Norton, 208-344-2441
jnorton@jwci.com

Insight Architecture
2238 Broadway Ave
Boise, ID 83706
Stephen Pavlick, 208-338-9080
steve@insightarchitects.com

7. **University of Georgia - Tomato Research**
111 Riverbend Road
Athens, GA 30602
Esther van der Knapp, 706-542-4682
esthervanderknapp@uga.edu

Lusk & Company, Inc.
2350 Justin Trail
Alpharetta, GA 30004
Brent Nitschke, 678-624-0202
brent@luskco.com

Clark Nexsen
400 Westchase Blvd, Suite 280
Raleigh,NC 27607
Chris Small, 919-828-1876
csmall@clarknexsen.com

8. **University of Georgia**
Tifon, Griffin and Athens Campus
James Dorsey, 706-542-9258
jdorsey@uga.edu

Garbutt Construction
212 Calhoun Street
Dublin, GA 31021
Daniel Miller, 478-272-4410
Dmiller@garbuttconstruction.com

Clark Nexsen
400 Westchase Blvd, Suite 280
Raleigh,NC 27607
Chris Small, 919-828-1876
csmall@clarknexsen.com

9. **OSU OARDC**
Wooster Campus-Wooster, OH
Joan Leonard, 614-292-7904
leonard.4@osu.edu

CGS
11991 Orrville Street
Massillon, OH 44647
Sylvia Courtney, 972-224-7812
sylviac@cgs-grow.com

Mote & Associates Inc
214 West Fourth Street
Greenville, OH 45331
Cody Munchel, 937-548-7511
cmunchel@moteassociates.com

10. **Monsanto**
62 Maritime Drive
Mystic, CT 06355
John Martine, 636-737-5123
john.j.martine@monsanto.com

Burns and McDonnell
9400 Ward Parkway
Kansas City, MO 64116
Tom Tod, 314-682-1643
ttod@burnsmcd.com

11. **Bayer Crop Science, Greenhouse 5**
2 TW Alexandria Drive
RTP, NC 27709
Dick Christensen, 919-546-2916
dick.christensen@bayer.com

12. **Univeristy of Alaska, Artic Health SNRAS**
901 Koyukuk Drive
Fairbanks, AK 99701
Dr. Meriam Karlsson, 907-474-7005

13. **Cornell University Conservatory Greenhouse**
Tower Road
Ithaca, NY
Andrew Leed, 607-254-7260
arl6@cornell.edu

14. **SUNY Cortland**
Gerhart Drive
Cortland, NY 13045

15. **Laurelwood Arboretum**
725 Pine Lakes Drive West
Wayne, NJ 07470
Jim McHugh, 973-834-0004
macq@optonline.net>

16. **Montgomery College**
20200 Observation Road
Germantown, MD 20876

Lend Lease
324 Blackwell Street, Suite 130
Durham, NC 27701
Marcus Tuttle, 919-680-5192

Ghemm Company
PO box 70507
Fairbanks, AK 99707
Jim Mitchell, 907-452-5191

LeChase Construction
609 Erie Blvd
Syracuse, NY 13204
Dean Lemmon, 315-423-0015
Dean.lemmon@lechase.com

EJ Construction Group,Inc.
4522 A Wetzel Road
Liverpool, NY
315-622-4158

CDCI, Inc
5868 Hubbard Drive
Rockville, MD 20852
Ziba Parsa, 301-984-4221
ziba@cdci-inc.com

Clark Nexsen
400 Westchase Blvd, Suite 280
Raleigh,NC 27607
Chris Small, 919-828-1876
csmall@clarknexsen.com

Design Alaska
601 College Road
Fairbanks, AK 99701
Jeff Putnam, 800-668-8919

Egner Architectural Associates, LLC
408 West State Street
Ithaca, NY 14850
Phillip Albrecht, 607-273-8280
pda@egnerrarchitectural.com

GI Design Studio LLC
1 Hillside Terrace
Woodland Park, NJ 07424
973-653-3956
studiogi@aol.com

17. **SUNY Potsdam**
Potsdam, NY
Andrew Martin
martinaj@potsdam.edu

Continental Construction
2125 State Highway 812
Governour, NY 13642
Jacob Schiszler, 315-287-3622
jschiszler@continentalconstruction.com

18. **Auraria Campus**
11150 12th Street
Denver, CO 80217
James Salman, 970-590-1912

Haselden Construction
6950 S. Potomac Street
Centennial, CO 80112
Michael Christiansen, 303-242-9402

Anderson Mason Dale Architects
3198 North Speer Blvd
Denver, CO 80211
Josh Vogel, 303-294-9448

19. **University of Wyoming, Sheridian**
Sheridan, Wyoming

Fletcher Construction
1866 S Sheridan Ave
Sheridan, WY 82801

Malone Belton Abel
340 West Dow Street
Sheridan, WY 82801

20. **Sheridan College, Mars Agricultural Center**
3059 Cofeen Avenue
Sheridan, WY 82801

Dick Anderson Construction
2675 Heartland Drive
Sheridan, WY 82801
307-751-7059

CTA Architects
13 North 23rd Street
Billings, MT 59101
Karen Kelley , KarenK@ctagroup.com

21. **Simplot World Headquarters**
415 S. 9th Street
Boise, ID 83702

Hoffman Construction
805 SW Broadway, Suite 2100
Portland, OR 97205
Annie Reeves , 503-221-8811

Adamson Associates, Inc.
17383 W. Sunset Blvd, B-200
Pacific Palisades, VA 90272
Danny Bazil, 310-230-0088, x 5103
dbazil@adamson-associates.com

NEXUS GREENHOUSE CO.® SPECIFICATIONS FOR STEEL STRUCTURES AND POLYCARBONATE COVERING

SECTION 13123

ARCHITECTS NOTE: DUE TO THE UNIQUENESS OF EACH PROJECT, THIS SPECIFICATION IS VERY GENERAL. PLEASE CONTACT A NEXUS REPRESENTATIVE TO ASSIST YOU IN YOUR SPECIFIC DESIGN.

NEXUS GREENHOUSE CO.
10983 LEROY DR.,
NORTHGLENN, CO 80233
TOLL FREE (800) 228-9639, EXT 536
FAX (303) 457-2801

SECTION 13123

GREENHOUSE

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Greenhouses.

B. Accessories.

C. Glass and Glazing.

1.2 RELATED SECTIONS

A. Section 03300 – Cast-In-Place Concrete: Cast-in-place concrete foundations, slabs, and walls.

B. Section 07900 – Joint Sealers.

C. Section 08411 – Aluminum-Framed Entrances and Storefront: Door specifications.

D. Section 15000 – Plumbing and Mechanical

E. Section 16000 – Electrical

1.3 REFERENCES

A. AAMA 611 – Voluntary Specification for Anodized Architectural Aluminum.

B. ASTM A 36/A 36M – Standard Specification for Carbon Structural Steel.

C. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes

D. ASTM B 308/b 308M – Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles.

E. ASTM C 864 – Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers.

F. AWS D1 – Structural Welding Code.

G. NGMA - National Greenhouse Manufacturer's Association, Standards - 1998 Edition

1.4 DESIGN CRITERIA

A. Submit structural calculations for greenhouses signed and sealed by Professional Engineer licensed in the project state for review by the Architect.

B. Structural Performance: Except as noted, and at the minimum, conform to the requirements and recommendations of both the "Standard for Design Loads in Greenhouse Structures" and its "Commentary" published by the National Greenhouse Manufacturers Association, 1998 Edition (NGMA Standards). Greenhouse frame shall be designed in accordance with the American Institute of Steel Construction Specifications, American Iron and Steel Institute Specifications and/or (Name of Building Code).

C. Design Loads
   1. Design structure to carry the following loads:
      a. Dead Load: Structure and Equipment
      b. Ground Snow Load: ___ lbs./sq. ft.
      c. Wind Speed: ___ mph, exp. ____
      d. Special Loads: (If Applicable) ____

e. Applicable Building Code is the International Building Code with state or local amendments (or appropriate code standard) and ASCE 7.

2. Load Combinations per ASCE 7:

a. Allowable Strength Design:

$D + L_r$
$D + W$
$0.6D + W$
$D + 0.7E$
$D + 0.75L_r + 0.75W$
$D + 0.75L_r + 0.75(0.7E)$

b. Load and Resistance Factor Design:

$1.2D + 1.6L_r$
$0.9D + 1.6W$
$0.9D + 1.0E$
$1.2D + 1.6L_r + 0.8W$
$1.2D + 1.6W + 0.5L_r$
$1.2D + 1.0E + 0.2S$

D. Engineering Certification

1. Provide written structural analysis prepared and certified by a Professional Engineer licensed in the State of _____, that the greenhouse meets the above-specified loads.

1.5 SUBMITTALS

A. General: Comply with provisions of Section: _____of these specifications.

B. Product data: Within 30 days after award of the contract, submit Manufacturer's product specifications, technical product data, standard data, and installation recommendations for each component.

C. Shop drawings: Submit shop drawings for fabrication and installation of greenhouse, including the following:

1. Elevations.
2. Detail section of typical framing members.
3. Hardware, mounting heights.
4. Anchorage and reinforcements.
5. Glazing details.
6. Placement of all components for heating, cooling, and ventilation.

1.6 GENERAL

A. It is the intent of this portion of the specifications to include the furnishing and erection of the greenhouse superstructure including all glazing, doors & door hardware and ventilation as shown on plans and/or hereinafter described such work to be the responsibility of the Greenhouse Manufacturer. Greenhouse installation is the responsibility of the Greenhouse Manufacturer and shall be included with bid on bid day. Material only bids will not be accepted. Bids received after the bid date shall be considered non-responsive and shall not be accepted.

B. It is not the intent of this portion of the specifications to cover concrete, grouting, masonry work, plumbing, electrical work (power and control wiring), utility connections, final cleaning of glazing or counter flashing. This portion of the work shall be the responsibility of the General Contractor or his selected Subcontractors other than the Greenhouse Manufacturer.

C. No masonry of foundation installation shall be made prior to approval of greenhouse drawings. Approved greenhouse drawings shall be used to make all masonry and foundation installations. Dimensions may vary

slightly from contract drawings to accommodate manufacturer's standard, but total area shall not be less than 98% of that shown.

D. Related Work Specified Elsewhere:

1. Concrete floors, grouting of sills and base plates, and masonry walls: Division 03 and 04

2. Plumbing rough-in work and hook-up of greenhouse plumbing systems, and downspouts described in this section: Division 22

3. Electrical power wiring, environmental control system wiring, lighting, conduit and hook-ups of greenhouse electrical equipment provided under this section: Division 26

1.7 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer shall have a minimum of 5 years experience in fabrication and erection of glazed structures for similar projects.

B. Installer Qualifications: Greenhouse installer shall have a minimum of 5 years experience in the erection of glazed structures for similar projects.

1.8 DELIVERY, STORAGE AND HANDLING

A. Protect materials during delivery, storage and handling to comply with manufacturer's directions and as required to prevent damage or deterioration.

PART 2 PRODUCTS

2.1 GREENHOUSE MANUFACTURER

A. Basis of Design: Vail, Steel Greenhouse by Nexus Greenhouse Corporation., 10983 Leroy Dr., Northglenn, CO 80233. Tel. (800) 228-9639, ext 536 . Fax. (303)457-2801. Email. bids@nexuscorp.com. www.nexuscorp.com.

B. Must be a member, in good standing, of the National Greenhouse Manufacturer's Association (NGMA).

2.2 GREENHOUSE

A. Components
1. Primary structural members shall be fabricated from square galvanized steel tubing with a minimum 45,000 p.s.i. tensile strength. No roll formed sections allowed.
2. Aluminum extrusions used for bars, vents and other secondary framing members shall be 6063-T6 alloy.
3. Roof trusses shall be factory welded using square galvanized tubing. Minimum sizing are 2" square, 16 ga. top chord, 1 ½" square, 18 ga. bottom chord and 1 ½" square, 19 ga. secondary members. Welds will be re-galvanized with a flame spray process. No painting of welded areas.
4. Columns shall be fabricated from 4" square galvanized steel tubing.
5. Truss to column connection will be made with a column cap and gutter saddle assembly made from Tenzaloy, a high strength alloy.

6. Roof purlins shall be fabricated from 2" square 16 ga. galvanized steel tubing as a minimum. The purlins shall have a swaged end for a continuous purlin connection. Purlins shall be bolted to truss top chords. No screw attachments are allowed.
7. Gutters shall be galvanized steel with a baked-on enamel paint on the exterior side as an extra coating. The gutter will be designed for water drainage only. No fixed truss or bow attachments are allowed.
8. Horizontal and vertical framing shall be fabricated from 2" square, 16 ga. tube minimum.
9. Glazing extrusions for structured sheeting shall be made of aluminum and consistent with manufacturer's standard shapes. A two-piece gasketed extrusion shall be used on roof areas and a one-piece extrusion on vertical areas. Extrusions are complete with necessary accessories for greenhouse construction.

2.3 MATERIALS

A. Steel:
   1. Square Galvanized Tubing: ASTM A500
   2. Sheets: Roll Formed ASTM A36
   3. Plates: ASTM A36

B. Aluminum:
   1. Extrusions: Alloy 6063-T6 or 6063-HS
   2. Sheet: Alloy 3003-H14.
   3. Plates: Alloy 6061-T6 or 6063-HS.

C. Fasteners:
   1. Bolts: ASTM A307
   2. Self Drill Screws: AISI C 1022
   3. Self Tapping Cap Screws: AISI C 1018SS
   4. Anchor Bolts: ASTM A304 Stainless Steel All-Thread Rod with Epoxy Adhesive or Expansion Anchor

D. Glazing
   1. Glazing panels shall be 8mm clear twin wall polycarbonate.
   2. Panels shall be furnished in continuous sections on each slope of the roof and on sidewall and gable end areas.

E. Glazing System
   1. Glazing extrusions for structured sheeting shall be made of aluminum and consistent with Manufacturer's standard shapes.
   2. A two piece gasketed aluminum extrusion shall be used on roof areas. Glazing caps shall be gasketed and extend in one piece from the eave to the ridge. One piece, non-gasketed, aluminum extrusions may be used on vertical areas.
   3. Extrusions are to be provided and installed complete with necessary accessories for greenhouse construction.

F. Glazing Seals for Polycarbonate Covering:
   1. External glazing tape shall be applied to the polycarbonate sheets as recommended by Manufacturer.
   2. EPDM rubber gasket of type recommended by Manufacturer shall be installed in the glazing caps.
   3. GE silicone sealant or equivalent shall be applied in accordance with Manufacturer's recommendations.

G. Greenhouse Doors and Frames: Provide heavy duty, steel clad service door, Plyco Series 88, white or bronze insulated door panel; 24 gauge baked enamel finish; 4" x 4" stainless steel hinges and aluminum threshold.

H. Insect Screens (If applicable to project requirements): Provide aluminum frames with woven aluminum insect screen, 18x16 mesh with brushes at vent rack arm locations.

2.4 MECHANICAL EQUIPMENT

A. Vents (If applicable to project requirements): Provide sash of size indicated on drawings, designed to open out in a continuous operation from end to end and with a weather tight hinge and weather tight fit between sash and vent header.

B. Vent Motors (If applicable to project requirements): Motors to operate each vent indicated on drawings and as recommended by Manufacturer.

C. Exhaust Fans (If applicable to project requirements): Fans will use heavy duty totally enclosed motors and be AMCA approved.

D. Evaporative Pad System (If applicable to project requirements): The evaporative pad system will consist of pads made of cross fluted cellulose paper, a distribution pipe with deflectors, an aluminum (or stainless steel) return system and a sump pump adequate for the systems length.

E. Intake Shutters (If applicable to project requirements): Mechanically operated intake shutters of size indicated on drawings and as recommended by Manufacturer.

F. Horizontal Airflow Fans (If applicable to project requirements): Mechanically operated fans indicated on drawings and as recommended by Manufacturer.

G. Heating Systems (If applicable to project requirements):
   1. Unit Heaters: A minimum of an 80% high efficiency unit shall be used. A stainless steel tubular heat exchanger with a 15 year warranty is required. The model shall use direct drive fans for air distribution.
   2. Hot Water Tube Heat: (Each individual project is unique and needs specific designing. Contact a Nexus Representative for assistance.)

H. Energy/Shade Curtains (If applicable to project requirements): A truss to truss (or frame to frame), push/pull system using a rack and pinion drive will be used. The curtain will have a slope/flat/slope profile (can also be other profiles) following the roofline and creating an “attic” space above the middle of the house for energy efficiency. The curtain is to be supported by guidewires, not suspension hooks. No wire or cable drives are allowed.

I. Environmental Controls/Computers (If applicable to project requirements) (Each individual project is unique and needs specific designing. Please contact a Nexus Representative for assistance.)

J. Growth Lights (If applicable to project requirements): (Each individual project is unique and needs specific designing. Please contact a Nexus Representative for assistance.)

K. Plant Watering Systems (If applicable to project requirements): (Each individual project is unique and needs specific designing. Please contact a Nexus Representative for assistance.)

L. Bench Systems (If applicable to project requirements): Benches as indicated on drawings. Benches will have leg supports made from 1-½” square-galvanized tubing spaced on 6’-0” intervals. The bench tops will consist of extruded aluminum perimeter sides (1” or 3” tall) with 1” square, 18 ga. cross pieces on 2’-0” centers. Covering will be hot dipped ¾”, 13 gauge expanded metal.
   1. Stationary Benches: Legs and top support rails shall be inset a minimum of 3” on each side and 6” on the ends to facilitate easier movement down aisles.
   2. Rolling Benches: Legs and top support rails shall be inset a minimum of 3” on each side and 6” on the ends to facilitate easier movement down aisles. Two runs of 1.315” roller pipe (14 ga.) to allow for top and aisle movement.

3. Floor Mounted Benches: Legs sitting on top of a concrete floor shall have a 4" x 4" x 3/16" welded foot plate with an anchor hole to allow the benches to be anchored to the floor.

2.5 FABRICATION

A. Fabricate components in accordance with shop drawings. Shop fabricate to greatest extent practical to minimize field cutting, splicing, and assembly.

B. Welding:
   1. Comply with recommendations of American Welding Society.
   2. Welds shall be re-galvanized with a flame spray process, no painting of welded areas.

C. Fabricate components to allow for accurate fit of joints and corners.

PART 3 EXECUTION

3.1 PREPARATION

A. Examine areas and conditions under which greenhouse work is to be installed. Notify Contractor in writing of conditions detrimental to proper and timely installation of work.

B. Coordinate and furnish anchorages, setting diagrams, templates and directions for installation of anchorages. Coordinated delivery of such items to project site.

3.2 ERECTION

A. Drilling and setting of anchor bolts is to be by Greenhouse Installer.

B. Erect greenhouse and related components in accordance with Manufacturer's written instructions and final shop and erection drawings.

C. Greenhouse Installer is responsible for all unloading of greenhouse materials, systems, equipment and to provide any lift or installation equipment required.

D. Greenhouse Installer shall have not less than 5 years experience installing work of similar size and scope.

3.3 INSTALLATION OF EQUIPMENT

A. General: Install equipment in accordance with Manufacturer's installation instructions and recognized industry practices to insure intended function.

B. Equipment will be installed in place by the Greenhouse Installer.

C. All mechanical connections (electrical or plumbing) will be performed by electrical, plumbing, or mechanical contractors.

3.4 WARRANTY

A. Structural: All products manufactured by Greenhouse Manufacturer shall be new and guaranteed free from defects in material and workmanship for one year from customer receipt. (Manufacturer shall submit warranty for approval with bid.)

B. Equipment: All supplied coverings and equipment will carry their manufacturer's respective warranties.

END OF SECTION 13123

NEXUS GREENHOUSES

The Nexus Vail structure features the traditional peak style design which is adaptable to a variety of hard coverings, styles of ventilation, heating and cooling systems, environmental controls and shade systems to optimize your growing environment. Nexus Vail trusses are factory welded using galvanized steel to offer consistency in dimension and ease of site construction. With one-piece trusses, we ship fewer parts and your greenhouse goes together much faster. The Vail is constructed to meet regional snow and wind load requirements.

For Pricing Information Contact:

Amy Bentz, Institutional Division Sales Manager

Email: Amyb@nexuscorp.com

Office : 303-450-8536

Cell: 303-330-7621

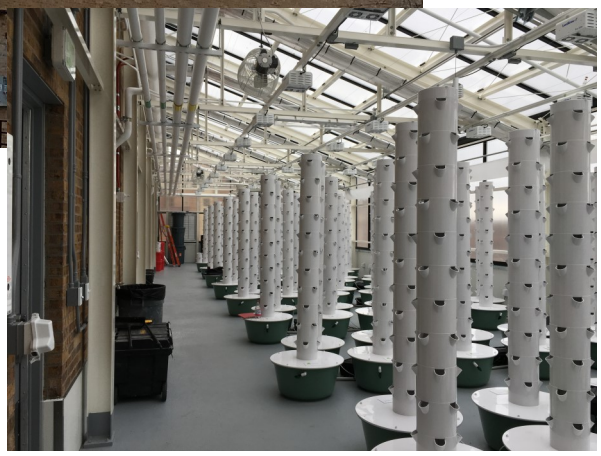
Colorado State Veteran's Home

- 15' x 20' Nexus Vail Style Greenhouse
- Polycarbonate Glazing
- Evaporative Pad and Exhaust Fan Cooling System
- Control System
- Shade System

N·E·X·U·S CORPORATION

LEADERS IN GREENHOUSE SYSTEMS INTEGRATION

NEXUS GREENHOUSES



The National / Nexus Series E Aluminum Greenhouse structure features the traditional peak style design ideal for growing, research or teaching space. The standard 6/12 roof pitch allows for maximum snow shed and enhances interior condensate control. Adaptable to a variety of hard covering, styles of ventilation, heating and cooling systems, environmental controls and shade systems to optimize your research, teaching or growing space. Aluminum trusses and extrusions provide superior aesthetic appeal. National/Nexus Series E trusses are factory welded using extruded aluminum to offer consistency in dimension and ease of site construction. Wide span trusses give you additional crop space that minimizes shadowing and maximizes production automation

For Pricing Information Contact : Amy Bentz

Institutional Division Sales Manager

Email: Amyb@nexuscorp.com

Office: 303-450-8536

Cell: 303-330-7621

Fax: 303-457-2801

University of Colorado
Boulder, CO

22' x 122' Nexus / National Series E Aluminum Greenhouse

Acrylic glazing

Exhaust fans and evaporative pad system

Shade System

Ridge Vent

Control System

Unit Heaters

N·E·X·U·S CORPORATION

LEADERS IN GREENHOUSE SYSTEMS INTEGRATION

NEXUS GREENHOUSES

The National / Nexus Series E Aluminum Greenhouse structure features the traditional peak style design ideal for growing, research or teaching space. The standard 6/12 roof pitch allows for maximum snow shed and enhances interior condensate control. Adaptable to a variety of hard covering, styles of ventilation, heating and cooling systems, environmental controls and shade systems to optimize your research, teaching or growing space. Aluminum trusses and extrusions provide superior aesthetic appeal. National/Nexus Series E trusses are factory welded using extruded aluminum to offer consistency in dimension and ease of site construction. Wide span trusses give you additional crop space that minimizes shadowing and maximizes production automation

For Pricing Information Contact : Amy Bentz

Institutional Division Sales Manager

Email: Amyb@nexuscorp.com

Office: 303-450-8536

Cell: 303-330-7621

Fax: 303-457-2801

Metro Caring
Hunger Relief Center

16’ x 60’ Nexus / National Series E Aluminum Greenhouse

Acrylic glazing

Exhaust fans and evaporative pad system

Shade System

Ridge Vent

Control System

Unit Heaters

N·E·X·U·S CORPORATION

LEADERS IN GREENHOUSE SYSTEMS INTEGRATION

Request for Information 000.PB270

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB270 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Stella May Contracting, Inc. 1512 Edgewood Road Edgewood, MD 21040

Author RFI Number

Subject

Missing Profile

Trade Contractor

Stella May Contracting

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Please provide a profile for the storm drain run from I-25 to MH-26 to I-24 to the pond

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Detail to be included in Addendum 5.

Request for Information 000.PB271

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB271 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Stella May Contracting, Inc. 1512 Edgewood Road Edgewood, MD 21040

Author RFI Number

Subject	Trade Contractor
Inlet Structure	Stella May Contracting

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Please provide a detail for the inlet structure at the top side of the dual 48” HDPE pipe

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Detail to be included in Addendum 5.

Request for Information 000.PB272

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB272 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Stella May Contracting, Inc. 1512 Edgewood Road Edgewood, MD 21040

Author RFI Number

Subject	Trade Contractor
48" HDPE Details	Stella May Contracting

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

Please provide a detail for the dual 48” HDPE pipe. I need to know the minimum separation between the pipe.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
The separation between the pipes is 2' outside to outside.

Request for Information 000.PB273

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB273 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Missing Jamb Sections

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 7/31/2019**

The following opening have no jamb sections indicted – please clarify

a. KAL-5, dwg A603
b. SF-13, dwg A604
c. SF-16, dwg A604
d. SF-16A, dwg A604
e. SF-16B, dwg A604
f. SF-16C, dwg A604

Suggestion

Answer | **Date Answered:**

See revised drawings and details included as part of Addendum 05.

PAA Response, 07.30.19

Request for Information 000.PB274

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB274 | **Date Submitted: 7/24/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Corner Guard Heights	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 7/31/2019**

Regarding the specified Corner Guard types (Spec 102600)

a. CG-1: Para 2.3.A indicates “full wall height”, para. 2.3.A.2.b indicates height as 4 feet. Please confirm CG-1 are to be 4’

b. CG-2: Para 2.3.B indicates “full wall height”, para. 2.3.B.3.b indicates height as 4 feet. Please confirm CG-2 are to be 4’

Suggestion

Answer — **Date Answered:**

Corner guards shall be 4'-0" tall.

Request for Information 000.PB275

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB275 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Callas Contractors 10549 Downsville Pike Hagerstown, Maryland 21741

Author RFI Number

Subject	Trade Contractor
116143 Stage Curtains	Callas Contractors

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

116143-Stage Curtains

1. 2.1, A, 1 Please consider adding LuXout Products to the list of acceptable manufacturers. LuXout has been making stage curtains for over 65 years and has thousands of installations from ABC Elementary School to JFK Center for the Performing Arts.
2. 2.7, A calls for an aluminum track for curved track. Drawings do not show any curved track except for the back track on A-800. All other drawings are using straight track for sides and rear tracks. Please clarify.
3. 3.5, A is calling for snap hooks for track hung curtains. Will you accept industry standard S-Hooks?
4. 3.5, B is calling for S-Hooks to attach to pipe battens. Please consider changing this to ties.
5. 3.8, A, 5 is calling for a Cotton Lining. IF you are considering a lining for opacity, 25 oz. IFR velour as specified will not require a lining. IF you still want a lining, it should be made of polyester so it and the front fabric will react to heat and humidity in the same way.
6. 3.8, A, 7 is calling for a chain weight. Many manufacturers listed use segmented weights for all curtains needing weights. Please consider using segmented weights for the front curtains.
7. 3.8, C, is calling for a track for the Valance. Unless you need the valance to move, you will only need a pipe or, in many cases, the valance is tacked to the back of the Proscenium.
8. Are there any sectional drawings of the stage curtains showing proscenium height and curtains locations?

Suggestion

Answer | **Date Answered:**

1. Not approved. Requests for substitutions shall be in accordance with Project Manual.
2. Curved Track is not required.
3. S hooks are acceptable for track hung curtains.
4. Ties are acceptable for batten hung curtains.
5. Refer to response in previous addendum.
6. Segmented weights are acceptable.
7. Refer to response in previous addendum.
8. Refer to ceiling plan for proscenium height. Refer to A301 for building section.

Request for Information 000.PB276

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB276 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Metal Roofing Systems, Inc. 7670 Mikron Drive Stanley, North Carolina 28164

Author RFI Number

Subject

Metal Roofing Systems Substitution Request

Trade Contractor

Metal Roofing Systems, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

Substitution Request for specification sections 074293, 077100

Suggestion

Answer | **Date Answered:**

Subject to compliance with requirements, MRS is acceptable for work per 07 71 00 paragraphs 2.2 and 2.2. MRS is not approved for work per section 07 42 93, because intent is to have soffits provided by same manufacturer as work per Section 07 42 13.13.

METAL ROOFING
Systems, Inc

July 14, 2019

Becker Morgan Group

Project: Rock Creek School Replacement (Frederick, MD)

We know that the **Rock Creek School Replacement (Frederick, MD)** needs a permanent roof solution with a competitive price to keep the project within the owner's budget. Metal Roofing Systems (MRS) has been requested by some of the better roofers to provide them with a quote for our quality roofing products for this project. As a manufacturer of top quality metal panels and edge metal products, our competitive pricing will help keep the project within your owner's budget.

You may recall that your firm has used our material on your projects in the past such as:

- NHC Ogden Fire Station #16
- Lighthouse 2
- Boiler Replacement at building WC 100

Your design for this project reflects your interest in looking after the owner's best interest. MRS likewise tries to look after the owner's best interest by offering the best quality products on the market today at competitive pricing and these products are installed by our network of trained, certified roofing contractors.

Having performed a detailed review of the contract documents, we want to assure you that we have the same products as you have specified and that they meet or exceed your relevant performance requirements.

Since a number of roofing contractors have asked for our pricing on this project, we ask for you to please review and approve the attached CSI Substitution Request Form and let us know if you have any questions. Also, please let us know if you need for us to make the substitution request with some other form.

Please feel free to call me on my cell phone (804) 385-5798 if you should have any additional questions on the MRS product's compliance to the specified requirements.

Sincerely,

Peter Ryan
Metal Roofing Systems, Inc.

SUBSTITUTION REQUEST

Project: Rock Creek School Replacement (Frederick, MD)	Substitution Request Number:
	From: Peter Ryan, Metal Roofing System
To: Becker Morgan Group	Date: July 14, 2019
	A/E project Number:
Re:	Contract For:

Specification Title: Division 7 Section: 07 42 93	Page:4	Description: Soffit Panels Article/Paragraph: Part 2 Products 2.2
Specification Title: Division 7 Section: 07 71 00	Page:4	Description: Roof Specialties Article/Paragraph: Part 2 Products 2.2
Specification Title: Division 7 Section: 07 71 00	Page:4	Description: Roof Specialties Article/Paragraph: Part 2 Products 2.3

Proposed Substitution: MRS Flush Seam Panel, MRS Rapid-Lock Coping, MRS Rapid-Lock Fascia
Manufacturer: 7670 Mikron Road Stanley, NC 28164 Phone: 704-820-3110 Fax: 704-820-0113
Trade Name: Metal Roofing Systems Inc.

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product
- Same maintenance service and source of replacement parts, as applicable, is available
- Proposed substitution will have no adverse effect on other trades and wilt not affect or delay progress schedule
- Proposed substitution docs not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Peter Ryan

Firm: Metal Roofing Systems Inc.

Address: 7670 Mikron Drive Stanley, NC 28164

Telephone: 704-820-3110

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section.

☐ Substitution approved as noted - Make submittals in accordance with Specification Section

☐ Substitution rejected - Use specified materials.

☐ Substitution Request received too late - Use specified materials.

Signed by

Supporting Data Attached: ■ Drawings ■ Product Data ☐ Samples ■ Tests ☐ Reports ☐ _____

SUBSTITUTION REQUEST FORM

To: Becker Morgan Group

Project: Rock Creek School Replacement (Frederick, MD)

We hereby submit for your consideration the following product instead of the specified item for the above project:

DRAWING: SPEC. SECT. NO: **07 42 93 – SOFFIT PANELS**
PARAGRAPH: **PART 2 – PRODUCTS 2.2**
Proposed Substitution: **MRS FLUSH SEAM PANEL**

DRAWING: SPEC. SECT. NO: **07 71 00 – ROOF SPECIALTIES**
PARAGRAPH: **PART 2 – PRODUCTS 2.2**
Proposed Substitution: **MRS RAPID-LOCK COPING**

DRAWING: SPEC. SECT. NO: **07 71 00 – ROOF SPECIALTIES**
PARAGRAPH: **PART 2 – PRODUCTS 2.3**
Proposed Substitution: **MRS RAPID-LOCK FASCIA**

Attach complete information on changes to Drawings and/or Specifications which proposed substitution will require for its proper installation.

Submit with request all necessary samples and substantiating data to prove equal quality and performance to that which is specified. Clearly mark manufacturer's literature to indicate equality in performance.

Fill in blanks below:

A. Does the substitution affect dimensions shown on the Drawings? **No**
If yes, clearly indicate the changes:

B. Will the undersigned pay for changes to the building design, including engineering and detailing costs caused by the requested substitution? **Yes**
If no, fully explain: **Note: MRS product is exact same as the specified product and thus will not affect the building design.**

C. What effect does substitution have on other Contracts or other Trades? **None**

D. What effect does substitution have on construction schedule?
None.

E. Manufacturer's warranties of the proposed and specified items are.
better than the specified because MRS finish system has a 35 year warranty.

F. Reason for request: **MRS product is the exact same as the specified profile but with better warranties (see above).**

G. Itemized comparison of specified item(s) with the proposed substitution; list significant variations: **See attached document**

H. Accurate cost data comparing proposed substitution with product specified:

I. Designation of maintenance services and sources:

(Attach additional sheets if required.)

Certification of Equal Performance And Assumption Of Liability For Equal Performance

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item. Submitted By:

Peter Ryan

Signature: Peter Ryan Title: Architectural Manager

Firm: Metal Roofing Systems, Inc.

Address: 7687 Mikron Drive, Stanley, NC 28164

Telephone: 704-820-3110

For Use By Architect:

Accepted Not Accepted as Noted Received

Accepted Too Late

By:_____

Date:

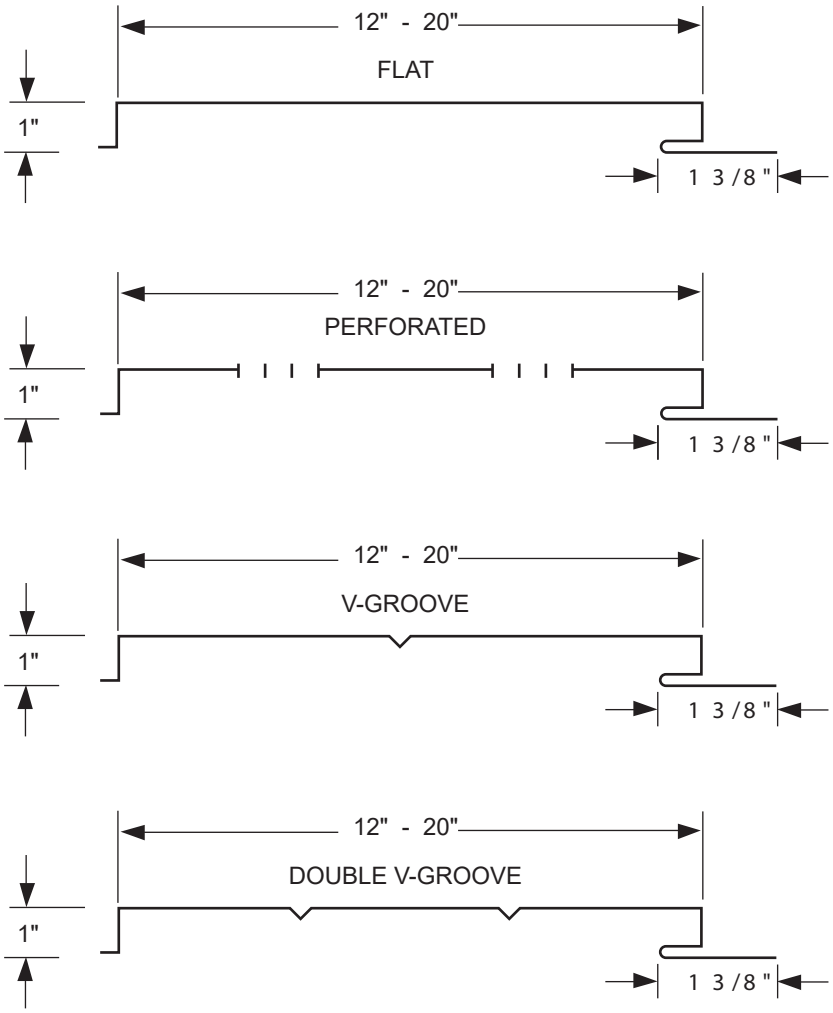
Remarks:

Signature shall be by person having authority to legally bind his firm to the above terms. Failure to provide legally biding signature will result in rejection of proposed substitution

MRS FLUSH SEAM

12", 16", and 20" widths

24 gauge steel
.032 Aluminum



Versatility accomodates a variety of commercial or residential installations. Can be used as a wall or soffit panel system.

Material:

24 gauge Steel, .032 Aluminum
12", 16", and 20" widths
1 1/2", 1/2", 1", or 3/8" "slim-line" depth

Features:

Vented or Solid Profiles
Vent placement and widths can vary within panel limits
With or Without Stiffening Beads

Requirements:

Open Framing, Solid Substrate
Solid Substrate requires Ice & Water Shield or Synthetic Underlayment

Finish:

Kynar 500

Locations:

7670 Mikron Drive
Stanley, NC 28164
Tel: 704-820-3110
Fax: 704-820-0113

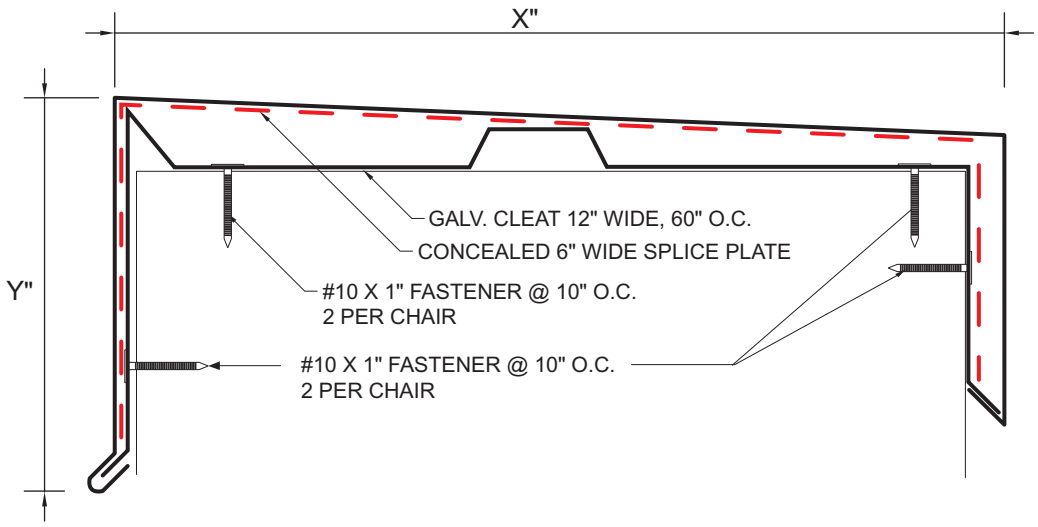
2451 Bulk Plant Road
Conway, SC 29526
Tel: 843-365-6673
Fax: 843-365-6683

5512 Fort Henry Drive
Kingsport, TN 37663
Tel: 423-239-0013
Fax: 423-447-7150

METAL ROOFING
Systems, Inc

Website: www.metalroofingsystems.biz

Rapid-Lock Coping



ANSI/SPRI ES-1 Tested and Approved

Material: Aluminum: .063, .050, .040, .032
Galvalume: 22 GA, 24 GA

Features: Radius Profile Available

Finish: Kynar 500

Locations:

7687 Mikron Drive
Stanley, NC 28164
Tel: 704-820-3110
Fax: 704-820-0113

370-C Allied Drive
Conway, SC 29526
Tel: 843-365-6673
Fax: 843-365-6683

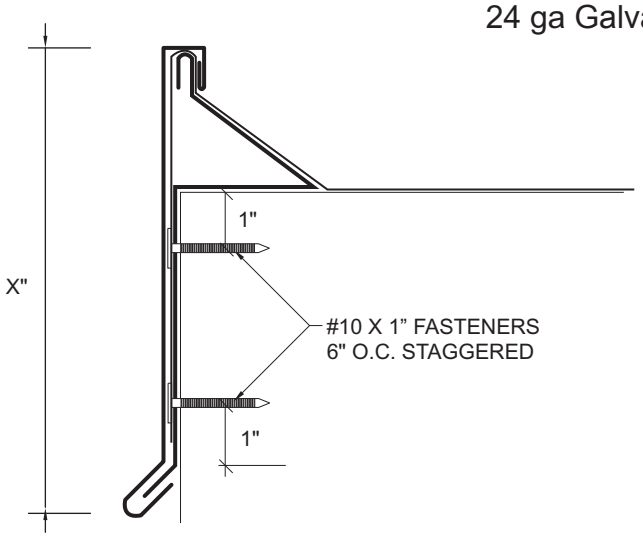
3214 Hanover Road
Johnson City, TN 37604
Tel: 423-239-0013
Fax: 423-447-7150

METAL ROOFING
Systems, Inc

Website: www.metalroofingsystems.biz

Rapid Lock Fascia

10' Lengths
.050, .040, .032 Aluminum
24 ga Galvalume



ANSI/SPRI ES-1 Tested and Approved

Material: .050, .040, 032 Aluminum, 24 ga Galvalume

Features: Allows for extended membrane warranty
Snap-On feature for easy installation

Finish: Hylar 5000® or Kynar 500®
Aluminum

Locations:

7687 Mikron Drive
Stanley, NC 28164
Tel: 704-820-3110
Fax: 704-820-0113

370-C Allied Drive
Conway, SC 29526
Tel: 843-365-6673
Fax: 843-365-6683

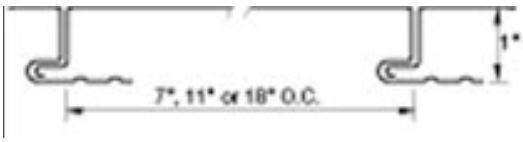
3214 Hanover Road
Johnson City, TN 37604
Tel: 423-239-0013
Fax: 423-447-7150

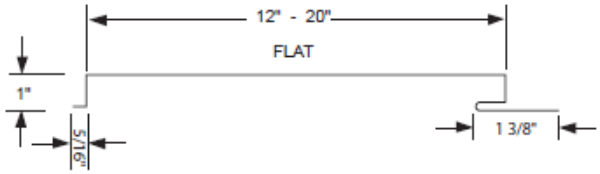
METAL ROOFING
Systems, Inc

Website: www.metalroofingsystems.biz

METAL ROOFING
Systems, Inc

Comparison sheet for equal





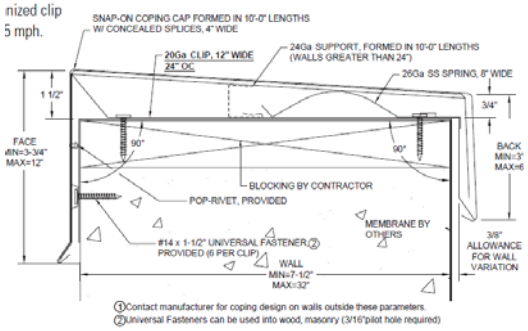
PETERSEN FLUSH PANEL **MRS FLUSH SEAM**

Feature	**Specified**	**Metal Roofing Systems**
Manufacturer	Petersen	MRS
Model	Flush Panel	MRS Flush Seam
Panel Width	7", 11" or 18"	12"-20"
Seam Height	1"	1"
Panel Finish		Flat, Perforated, V-Groove, Double V-Groove
Fastener Type	Blind, Self Drilling	Blind, Self Drilling
Panel Sealant	Yes	Yes
Created Location	Factory	Factory
Material	Galvalume	Galvalume/Aluminum
Material Finish Name	Fluoropolymer	Fluoropolymer
Material Color	As selected	As selected
Material Thickness	22 Ga.	22 or 24 Ga. Galvalume .032, .040, or .050 Aluminum
Finish Warranty	20 yrs	35 yrs
Material Warranty	20 yrs	20 yr, 6 mth

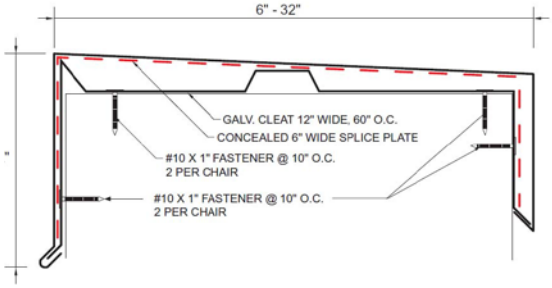
METAL ROOFING
Systems, Inc

September 12, 2017

Comparison sheet for equal



Hickman PermaSnap 2



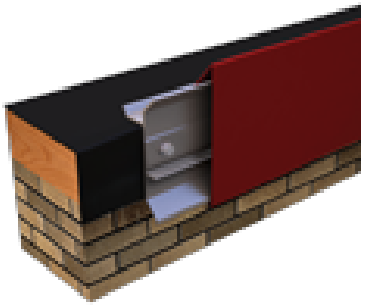
MRS Rapid-Lock Coping

Feature	**Specified**	**Metal Roofing Systems**
Manufacturer	W.P. Hickman	MRS
Model	PermaSnap 2	MRS Rapid-Lock Coping
Coping Lock	Double	Double
Coping Width	7.5”-32”	6”-32”
Coping Face	3.75”-12”	4”-12”
Joint System	Splice-Plate	Splice-Plate
Cleat System	Chair/Cont. Cleat	Chair/Cont. Cleat
Corners	Mitered & Welded	Mitered & Welded
Test Procedure	ANSI/SPRI ES-1	ANSI/SPRI ES-1
Material Finish	Kynar 500	Kynar 500/Hylar 5000
Material Finish Name	Fluorocarbon	Fluorocarbon
Material	Aluminum/Galvanized	Aluminum/Galvalume
Material Color	As Selected	As Selected
Material Thickness	Alum: .040, .050, .063, .080 Galvanized: 22ga, 24ga	Alum: .032, .040, .050, .063, .080 Galvalume: 22ga, 24ga
Finish Warranty	20 yrs	35 yrs
Wind Warranty	20 yrs – 110 mph	20 yrs – 110 mph

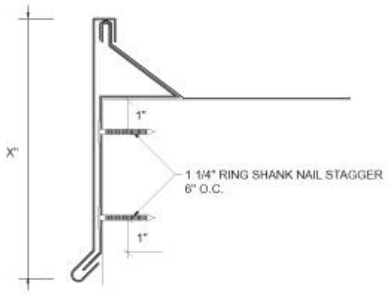
METAL ROOFING
Systems, Inc

September 10, 2017

Comparison sheet for equal



Metal-Era Anchor-Tite



MRS Rapid-Lock Fascia

Feature	**Specified**	**Metal Roofing Systems**
Manufacturer	Metal-Era	MRS
Model	Anchor-Tite	MRS Rapid Lock Fascia
Lock	Snap-On	Snap-On
Nominal Fascia Height		Match face size
Created Location	Factory	Factory
Test Procedure	ANSI/SPRI ES-1	ANSI/SPRI ES-1
Material	Aluminum/Steel	Aluminum/Galvalume
Material Color	As Selected	As Selected
Material Thickness	24 ga. Steel .040 Aluminum	.063, .050, .040, or .032 Alum. 24 or 22 Ga. Galv.
Finish Warranty	20 yrs	35 yrs
Wind Warranty		20 yrs – 120 mph

METAL ROOFING Systems, Inc

35 - Year Limited COOLR "Paint" Warranty
AZ50 Galvalume®, G90 Galvanized, or Aluminum

EXCLUSIVE WARRANTY

This Warranty (collectively, the "Warranty") is issued by Metal Roofing Systems Inc. (hereinafter referred to as "MRS"), to the customer identified in this Certificate (hereinafter referred to as "Customer") and applies to the finish on AZ50 Galvalume®, G90 Galvanized, or Aluminum flat sheet and coil products (hereinafter referred to as the "Product") with PVDF based coating consisting of KYNAR 500® or Hylar 5000® resin (hereinafter referred to as the "Coating") if erected anywhere within the Continental United States including Alaska, Hawaii and Canada.

1. Subject to the provisions contained herein, MRS warrants that during the Thirty-Five (35) Year Warranty Period, MRS' COOLR stock Coatings will not chip, crack, peel, flake or check (except for such slight crazing or cracking as may occur on tightly roll-formed edges or break bends at the time of roll forming or other fabrication of pre-painted sheet or coil and which is accepted in the industry as standard). Subject to the provisions contained herein, MRS warrants that for Thirty (30) years from the date of installation of panels, the Coating will not chalk in excess of ASTM D-4214-89 method D659 number eight (8) rating, or change color more than Five (5.0) Hunter E units as determined by ASTM method D-2244-2. Color change will be measured on an exposed painted surface that has been cleaned of surface soils and chalk, and the corresponding values measured on the original or unexposed surface. It is understood that fading or color change may not be uniform, if the surfaces are not equally exposed to the sun and elements.

2. This Warranty does not apply to circumstances beyond MRS' control, including:

a. Fire or other casualty or physical damage;

b. Unusual harmful fumes, foreign substances in the atmosphere or standing water. No warranty is provided for the coating on any substrate that is subjected to sea spray or installed on a property located 1500 or fewer feet from a coastline, salt or brackish water, or any salt water environment;

c. Improper treatment of or defects in the metal or in the fabrication or areas where items such as snow guards or solar panels are attached / adhered to the product.

d. Intermittent or continual submersion in water or any other liquid or solid material;

e. Damage from wind, deliberate damage, improper handling by erectors, from abrasive or chemical cleaners.

f. Mishandled Products, e.g., ANY PRODUCT WHICH HAS BEEN ABUSED, ALTERED, MODIFIED, USED IN A MANNER NOT ORIGINALLY INTENDED, OR STORED CONTRARY TO OUR INSTRUCTIONS.

g. Stored or installed in a way that allows for poor air circulation, contact with animals or animal waste.

h. Embossing that fractures or severely stretches the film (i.e. film is diminished at the point of emboss by greater than 0.2 mils.

3. This Warranty does not cover damage or deterioration resulting from moisture contamination or entrapment or any other contamination detrimental to the coating, which occurs prior to installation of the Products, including, without limitation, contamination occurring during shipment of the Product to the jobsite or during storage at the jobsite. This Warranty does not cover failure due to corrosion of substrate.

4. EXCLUDED ATMOSPHERIC CONDITIONS
This Warranty does not apply to sheet exposed at any time to corrosive, aggressive, harmful or other abnormal atmospheric conditions, including but not limited to:

A. Areas subject to fallout exposure to corrosive chemicals, ash, fumes, cement dust, animal waste, or it's decomposition by-products, fallout from copper, lead, nickel or silver mining or refining operations and carbon black;

B. Conditions/circumstances where corrosive fumes or condensation are generated or released inside the building;

C. Areas subject to water run-off from lead or copper flashing or piping or areas in contact with lead or copper or lumber containing same;

5. All Warranty work will be performed by MRS, or any company, dealer, contractor, applicator, or distributor selected by MRS. Since there may be a color variance between the replacement or repainted Product and the originally installed Product due to normal weathering (i.e. exposure to sunlight and extremes of temperature and weather) of the originally installed Products, this condition shall not be indicative of a defect.

6. NOT WITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, MRS' LIABILITY SHALL NOT EXCEED THE LESSER OF THE FOLLOWING: (I) THE CUSTOMER'S LIABILITY DIRECTLY ATTRIBUTABLE TO A BREACH OF THIS WARRANTY, OR (II) THE REFINISHING OR REPLACEMENT OF THE FAILED COATED MATERIAL, OR AT MRS' OPTION, REFUND OF THE PURCHASE PRICE WHICH SHALL NOT EXCEED AN AMOUNT EQUAL TO ONE HUNDRED PERCENT (100%) OF THE AMOUNTS PAID TO MRS BY THE CUSTOMER FOR THE PURCHASE OF THE DEFECTIVE PRODUCT. MRS SHALL NOT BE LIABLE FOR INJURY TO PROPERTY OTHER THAN THE FLAT SHEET AND/OR COIL PRODUCTS COATED WITH FLUOROCARBON PAINT SYSTEMS, IN THE CONDITION AND AS PURCHASED BY CUSTOMER FROM MRS. MRS, IN ALL INSTANCES, SHALL HAVE THE SOLE AND EXCLUSIVE RIGHT TO DETERMINE WHETHER OR NOT REFINISHING OR REPLACEMENT OF THE FAILED AREAS IS REQUIRED, AND TO FULFILL ITS OBLIGATION UNDER THE WARRANTY, MRS RESERVES THE RIGHT TO NEGOTIATE AND APPROVE ANY FINAL CONTRACT LET FOR REFINISHING AND REPLACEMENT AS THE CASE MAY BE.

7. This Warranty applies only to products manufactured by the customer within six (6) months from shipment thereof by Metal Roofing Systems Inc.

8. Claims under this Warranty must be presented by the customer to MRS in writing during the warranty period and within thirty (30) days after Customer becomes aware that any warranted condition has occurred. Time is of the essence and failure to give notice within the specified time shall discharge MRS from any obligations under this Warranty. MRS must be given a reasonable opportunity to do an on-site inspection to determine if there is a coating failure.

9. The laws of the State of Ohio shall exclusively govern the rights and duties of the parties to this Warranty. Any controversy or claim arising out of or related to this Warranty, or the breach thereof shall be brought before a court of competent jurisdiction in Cleveland, Ohio under the substantive and procedural laws of the State of Ohio.

10. Customer acknowledges that MRS is not the manufacturer or applicator of the coating warranted herein and agrees that all issues arising from or related to the exceptions set forth herein shall be determined finally and conclusively as to Customer, by the original manufacturer.

11. Due to pigment limitations, Regal Red, Matte Black and L/S Antique Black are covered by a number eight (8) rating for chalk, and five (5) E units for fade for a period of ten (10) years from installation. Copper and other metallic colors have no rating available for color change.

12. This Warranty applies solely to MRS "inventoried stock" colors. Custom matched colors and non-inventoried items may have different Warranty terms, or not be warranted.

13. For this Warranty to apply, the Customer must retain certain records. In order for MRS to process a claim, we will need to be told the original coil or skid tag number.

14. THIS WARRANTY IS GIVEN AS THE SOLE AND EXCLUSIVE WARRANTY AND EXCLUSIVE REMEDY BY OR AGAINST MRS, AND NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR PURPOSES, ARE MADE, AND ANY SUCH OTHER WARRANTIES ARE EXPRESSLY DISCLAIMED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION CONTAINED IN THIS INSTRUMENT. CUSTOMER WAIVES THE BENEFIT OF ANY RULE THAT THE DISCLAIMERS OF WARRANTY SHALL BE CONSTRUED AGAINST THE SELLER, AND AGREES THAT THE DISCLAIMERS IN THIS INSTRUMENT SHALL BE CONSTRUED LIBERALLY IN FAVOR OF MRS. MRS SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. MRS HEREBY DISCLAIMS ALL LIABILITIES FOR DAMAGES BASED ON THEORIES OF NEGLIGENCE AND STRICT PRODUCT LIABILITY. THIS WARRANTY IS EXTENDED TO CUSTOMER ALONE AND NO OTHERS, IS NON-TRANSFERABLE AND NON-ASSIGNABLE, AND MAY NOT BE ENLARGED IN ITS SCOPE BY ANY REPRESENTATIVE, SALES PERSON, AGENT OR OTHER EMPLOYEE OF MRS. THE CUSTOMER SHALL NOT PERMIT ANYONE TO CLAIM OR IMPLY THAT THIS WARRANTY EXTENDS OR CAN BE "PASSED THROUGH" TO ANYONE OTHER THAN THE CUSTOMER. THIS PROVISION IS A MATERIAL TERM OF THIS WARRANTY AND ITS VIOLATION OR BREACH BY CUSTOMER OR ANY OF CUSTOMER'S AGENTS OR REPRESENTATIVES, SHALL VOID AND CANCEL THIS WARRANTY FOR ALL PURPOSES.

THE LIABILITY OF SELLER MRS SHALL NOT EXTEND TO PERSONAL INJURY, PROPERTY DAMAGE, LOSS OF PROFIT, DELAY OR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE FAILURE OF ANY PRODUCT OR COATING TO CONFORM WITH THE PROVISIONS OF THIS LIMITED WARRANTY.

MRS SHALL NOT IN ANY EVENT BE LIABLE TO THE CUSTOMER OR ANY OTHER PERSON OR ENTITY FOR ANY ACTIONS, CLAIMS, CAUSES OF ACTION, DAMAGES, EXPENSES AND/OR LIABILITIES ARISING FROM OR RELATED TO THE DESIGN, USE OR FAILURE OF THE PRODUCT OR COATING, FOR THE INTERUPTION OF THE CUSTOMER'S OPERATIONS OR BUSINESS, FOR THE COST OF LABOR EXPENDED BY OTHERS ON ANY DEFECTIVE PRODUCT OR COATING OR FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER OR LOSS OF PROFIT OR OTHER FINANCIAL LOSS ARISING OUT OF THE USE OR FAILURE OF THE PRODUCT OR COATING, EVEN IF MRS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH ACTIONS, CLAIMS, CAUSES OF ACTION, DAMAGES, EXPENSE, LOSS AND/OR LIABILITIES, WHETHER ARISING FROM BREACH OF CONTRACT, BREACH OF WARRANTY, TORT, INCLUDING NEGLIGENCE, STRICT LIABILITY OR OTHERWISE TO ANYONE BY REASON OF THE FACT THAT SUCH PRODUCT OR COATING SHALL HAVE BEEN DEFECTIVE.

SIGNATURE:

This Warranty is not valid unless signed by an authorized employee or agent of Metal Roofing Systems Inc.

METAL ROOFING SYSTEMS INC.

By: _____

Name Printed:

Title: President

Date:

"Metal Roofing Systems"

Issued To:

For:

Job:

Color:

Completion Date:

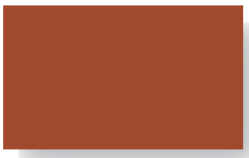
SAMPLE

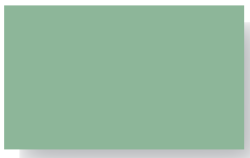
METAL ROOFING
Systems, Inc

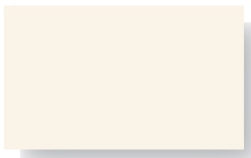
35 YEAR WARRANTY

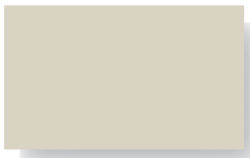
SEE REVERSE SIDE FOR MATERIAL AVAILABILITY

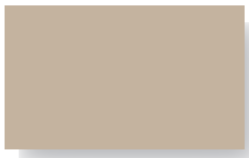
ENVIRONMENTALLY SMART COLORS - DESIGNED ENERGY EFFICIENT

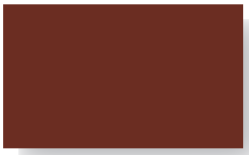

TERRA COTTA


AGED COPPER

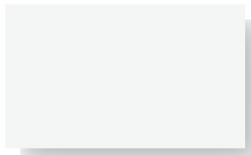

BONE WHITE

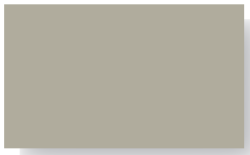

SANDSTONE


SURREY BEIGE

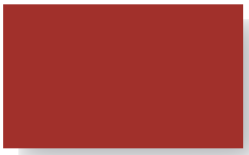

COLONIAL RED

PATINA GREEN

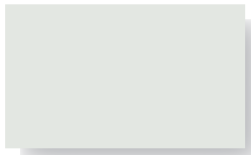

REGAL WHITE


ASH GRAY

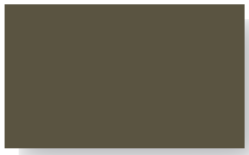
SIERRA TAN

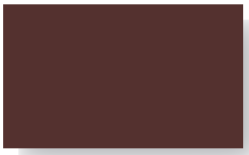

REGAL RED

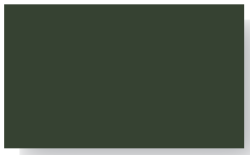
HEMLOCK GREEN


STONE WHITE

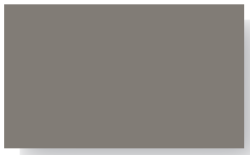
DOVE GRAY

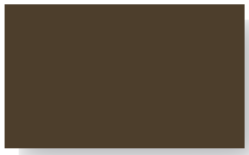

MEDIUM BRONZE

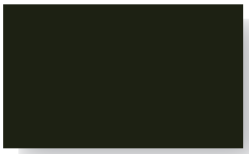

BURGUNDY


HARTFORD GREEN

SLATE BLUE


SLATE GRAY

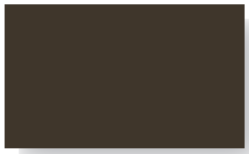

MANSARD BROWN


MATTE BLACK

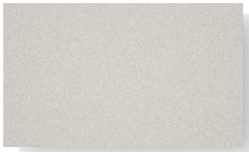
EVERGREEN

REGAL BLUE

CHARCOAL GRAY


DARK BRONZE

METALLIC COLORS

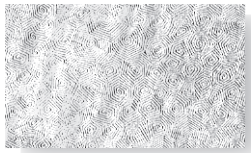

*SILVER

*COPPER

*CHAMPAGNE

*PRE-WEATHERED GALVALUME®

NON-PAINTED


ACRYLIC COATED GALVALUME®

* CONTACT YOUR REPRESENTATIVE FOR EXACT COLOR CHIP SAMPLE

LOCATIONS

7687 Mikron Drive
Stanley, NC 28164
P: 704.820.3110
F: 704.820.0113

370-C Allied Drive
Conway, SC 29526
P: 843.347.6673
F: 843.347.6693

3214 Hanover Drive
Johnson City, TN 37604
P: 423.434.0535
F: 423.434.0537

www.metalroofingsystems.biz

Faster. Smarter. Better. Period.

ENERGY STAR PARTNER

U.S. GREEN BUILDING COUNCIL

*Available at a slight price premium.
Colors shown are matched as accurately as possible, but may vary slightly from finished product. These rich and vibrant colors are produced with either Kynar 500 ® or Hylar 5000 ® resins, which provide superior color retention, and allow us to offer non-prorated coating warranties for most applications. Coating warranty varies for Regal Red, Matte Black, Copper, Silver, Champagne, and Pre-Weathered Galvalume. Metallics are warranted for chip, crack, and peel only. Please contact your representative for more information.

STOCK AVAILABILITY MATRIX

							GALVALUME		ALUMINUM			
			ISR	EMI	3yr.	SRI	24 ga.	22 ga.	.032	.040	.050	.063
Aged Copper	★	L	0.47	0.85	0.46	53	●		●			
Ash Gray	★	L	0.39	0.84	0.39	41	●	●	●	●		
Bone White	★	L	0.47	0.83	N/A	58	●		●	●	●	●
Burgundy	★		0.25	0.85	0.23	23	●					
Champagne Metallic	★	L	0.37	0.80	0.35	37	●					
Charcoal Gray	★		0.29	0.84	0.28	28	●	●	●	●		
Colonial Red	★	L	0.30	0.85	0.29	30	●		●	●	●	
Copper Metallic	★	L	0.49	0.86	0.47	56	●		●			
Dark Bronze	★		0.26	0.84	0.25	24	●	●	●	●	●	●
Dove Gray	★	L	0.49	0.86	N/A	56	●	●	●	●		
Evergreen	★		0.27	0.86	0.26	26	●		●	●	●	
Hartford Green	★		0.26	0.85	0.25	24	●		●	●	●	
Hemlock Green	★	L	0.29	0.86	0.29	29	●					
Mansard Brown	★		0.27	0.86	0.25	26	●	●	●	●	●	
Matte Black	★		0.29	0.83	0.27	27	●	●	●	●	●	
Medium Bronze	★	L	0.30	0.87	0.28	31	●	●	●	●	●	●
Patina Green	★		0.28	0.87	0.28	28	●					
Pre-weathered Galvalume *	★		0.30	0.79	0.28	27	●		●			
Regal Blue	★		0.26	0.85	0.25	24	●		●			
Regal Red	★	L	0.42	0.83	0.41	45	●		●		●	
Regal White	★	L	0.67	0.86	0.67	81	●	●	●	●	●	●
Sandstone	★	L	0.54	0.86	0.53	63	●		●	●	●	
Sierra Tan	★	L	0.35	0.86	0.34	37	●	●	●	●	●	
Silver Metallic	★	L	0.59	0.79	0.60	67	●		●	●	●	
Slate Blue	★		0.29	0.85	0.28	28	●		●			
Slate Gray	★	L	0.33	0.84	0.33	33	●	●	●	●	●	
Stone White	★	L	0.60	0.86	0.56	71	●		●	●	●	●
Surrey Beige	★	L	0.42	0.85	0.41	46	●					
Terra Cotta	★	L	0.35	0.86	0.35	37	●		●	●		
Acrylic Coated Galvalume *	★	L	0.67	0.14	0.55	56	●	●				

*** IF DESIRED COLOR IS NOT LISTED ON MATRIX PLEASE CONTACT METAL ROOFING SYSTEMS FOR AVAILABILITY**

NOTES

- All metal is painted with a .20 mil primer and .70 -.90 mil Top Coat of 70% Kynar 500 or Hylar 5000. The reverse side has a .20 primer and .30 - .40 backer coating.
- 22 gauge steel available upon request.
- For low slope roofing to meet Energy Star requirements the ISR must be ≥ 0.65. After 3 years, the solar reflectance must be ≥0.50.
- For steep slope roofing to meet Energy Star requirements the ISR must be ≥ 0.25. After 3 years, the solar reflectance must be ≥0.15.
- For low slope roofing to meet LEED 2009 requirements the SRI must be ≥ 78.
- For steep slope roofing to meet LEED 2009 requirements the SRI for 100% of the roof must be ≥ 29.
- Low slope is defined as ≤2:12.
- Steep slope is defined as >2:12.

KEY

●	Stocked Item
★	Energy Star Compliant
L	LEED 2009 Compliant
ISR	Initial Solar Reflectance
EMI	Emissivity
SRI	Solar Reflectance Index

METAL ROOFING Systems, Inc

35 YEAR PAINT WARRANTY

ENERGY STAR PARTNER

Oil canning is an aesthetic issue and is an inherent part of light gauge cold formed metal products. By using coil that has been processed properly, designing for thermal movement, following stringent specifications for installation and proper handling most oil canning can be eliminated. Oil canning is not grounds for coil/panel rejection.

Galvalume® is a registered trademark of BIEC. Hylar 5000 is a registered trademark of Solvay Solexis, Inc. Kynar 500 is a® registered trademark of Atofina, Inc.

COOLR®
ENERGY EFFICIENT ROOFING METAL

PRODUCT SPEC DATA

PRODUCT NAME

COOLR® Kynar 500®/Hylar 5000® Coated Galvalume Steel or Aluminum, Architectural Sheet Metal, Flashing, and Roofing.

PRODUCT DESCRIPTION

Structural Grade 50, extra smooth, ASTM A-792 Galvalume steel or Aluminum Association sheet, coated with a 70% Kynar 500/Hylar 5000 fluorocarbon coating, of 1.0 ± 0.1 mil total dry film thickness including primer. The reverse side is coated with a primer and off white backer with a total of .5 mil dry film for additional protection. A strippable film is available upon request to protect the finished surface during shipping, handling and fabrication. (*The protective film must be removed immediately after installation.*)

BASIC USE: COOLR® is manufac-tured for use in general building applications such as copings, gravel stops, flashings, mansards, fascias, soffits, standing seam, batten seam, and flat seam roofing applications.

LIMITATIONS: Because **COOLR®** is a prefinished material, care must be exercised during fabrication and erection to avoid damage to the surface. Tools must be clean and properly dressed. The performance of the material in the field depends substantially on the integrity of the paint film and in galvalume steel on the underlying coating of aluminum-zinc being intact. Care must be taken to avoid scratching or marring the finish.

Therefore, **COOLR®** should not be used in areas of high abrasion or where it will be subject to mechanical damage.

COMPOSITION AND MATERIALS: COOLR® consists of Structural Grade 50, Gavlalume steel of prime quality manufactured per ASTM A-792 or Aluminum Association specification sheet, alloy and temper 3003-H14 or 3105 H-14, as manufactured per ASTM B-209, coated with 70% Kynar 500/Hylar 5000 (polyvinylidene fluoride resin) fluorocarbon applied over an appropriate primer. An exterior off white backer coat is applied to the reverse side for additional protection.

SIZES: Galvalume steel is available in 24 ga, in 48" sheet, and in 48", 44", 40", 24", 22", 20" and 16" standard coil widths. Galvalume steel is available in 26 ga, in 48" sheet, and in 48", 40", 24", 20", 16", standard coil widths. Aluminum is available in .032 48" sheet, and 48", 40", 23.75", 20", 15.75" standard coil widths. Aluminum is available in .040 48" sheet, and 48", 23.75", 15.75" standard coil widths.

COLORS: There are 39 standard colors: Dark Bronze, Stone White, Slate Blue, Burgundy, Sandstone, Charcoal Gray, Colonial Red, Matte Black, Sierra Tan, Terra Cotta, Mansard Brown, Slate Gray, Regal Blue, Evergreen, Medium Bronze, Regal White, Teal, Patina Green, Regal Red, Aged Copper, Hemlock Green, Solar White, Ash Gray, Hartford Green, Silver Metallic, Copper Metallic, Champagne, Pre-Weathered Galvalume.

26 GA. LOW GLOSS COLORS: Regal White, Sierra Tan, Seal Brown, Slate Gray, Colonial Red, Evergreen, Dark Gray, Dark Bronze, Terra Cotta, Antique Black, Burgundy. Custom colors are available in both steel and aluminum.

FINISH: Smooth, dull matte, low to medium gloss, depending on color.

APPLICABLE STANDARDS: ASTM A-792 structural quality steel, sheet and coil, -coated (galvalume) by the hot-dipped process or ASTM B-209 aluminum sheet, 3105-H24 alloy and temper.

INSTALLATION

Install in accordance with generally recognized sheet metal practices. **COOLR®** can be cut, formed, punched, nailed, screwed, or riveted using conventional hand or power tools. It is recommended that these tools be properly maintained to manufacturers' performance standards. The **COOLR®** paint finish must be mechanically removed if soldering or welding are-required. (The protective film may remain on **COOLR®** during fabrication but must be removed immediately after installation.)

WARRANTY

A 35-year, non-prorated warranty covering color, fade, chalking and film integrity is available at no additional cost. The warranty is issued on a per project basis upon request.

Sheffield Metals International

CLEVELAND: 800.283.5262
ATLANTA: 800.929.9359
DALLAS: 877.853.4904
DENVER: 877.375.1477
www.WhyItsCooler.com

Request for Information 000.PB277

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB277 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Missing Lintels

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

There are two decorative glazed openings between Corr 012 and Dining 500 on sheet A101B. Section 5/A311 cut through a decorative glazing area shows a lintel at the head and refers to structural. The structural drawings do not show a lintel at these decorative glazing openings. Please advise what lintel is to be used for these 16’-6-1/8” openings.

There are two openings between Corr 012 and Dining 500 on sheet A101B.
No sections are cut through either the approx. 8’-0 opening to the left, or the approx. 20’-0 central opening.
The structural drawings do not show a lintel at either of these openings.
Please advise if masonry is continuous across the heads of these openings.
If required, please advise what lintel is to be used for the approx. 8’-0” left side opening.
If required, please advise what lintel is to be used for the approx. 20’-0” central opening.

Suggestion

Answer | **Date Answered:**

See addendum #5 for lintel size.

Nick Morabito 07.29.2019

Request for Information 000.PB278

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB278 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Arundel Signs, Inc. 401 Hampton Park Boulevard Capitol Heights, Maryland 20743

Author RFI Number

Subject	Trade Contractor
Specification Section 101419	Arundel Signs

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

Was 101419 purposely omitted from specs?

Suggestion

Answer — **Date Answered:**

Specification Section 10 14 19 is provided as part of Addendum 05.

Request for Information 000.PB279

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB279 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Arundel Signs, Inc. 401 Hampton Park Boulevard Capitol Heights, Maryland 20743

Author RFI Number

Subject

Life Safety Signage

Trade Contractor

Arundel Signs

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

I'm unable to locate "Life Safety Signs" in the bid documents. Please designate where specs can be found.

Suggestion

Answer — **Date Answered: 7/31/2019**

Life safety signage is a scope carry over from a previous project, see updated scope sheet deleting this requirement.

Request for Information 000.PB280

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB280 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Arundel Signs, Inc. 401 Hampton Park Boulevard Capitol Heights, Maryland 20743

Author RFI Number

Subject

Sign Sizes

Trade Contractor

Arundel Signs

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

What size sign is required? 4x8 or 6x8
Attic Stock is for what sign type? How many are required?

Suggestion

Answer — **Date Answered: 7/31/2019**

See section 015000 for the project sign
See each specific signage specification for attic stock requirements

Request for Information 000.PB281

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB281 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Arundel Signs, Inc. 401 Hampton Park Boulevard Capitol Heights, Maryland 20743

Author RFI Number

Subject

Tax Exempt

Trade Contractor

Arundel Signs

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

Please confirm job is tax exempt

Suggestion

Answer | **Date Answered: 7/31/2019**

Job is not tax exempt and contractors are to include all applicable taxes.

Request for Information 000.PB282

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB282 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

FSC Wood for Library Shelving

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

Please confirm if FSC is a mandatory requirement for the LEED for the Wood Library Shelving, section 12 35 50-2.

Suggestion

Answer | **Date Answered:**

FSC is not required, but recommended.

Request for Information 000.PB283

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB283 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Teacher Workstation

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

At room elevation 23/A701, the elevation shows a tall cabinet but on the floor plan, page A101C, they appear to also show the typical teacher work station top and cabinet similar to 7/A405. Please advise if the additional counter and base unit are required.

Suggestion

Answer — **Date Answered: 7/31/2019**

Duplicate RFI, see response to PB088

Request for Information 000.PB284

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB284 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject	Trade Contractor
Floor Mounted Cubbies	Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

At room 716, elevation 2/A702 they call for floor mounted cubby units. They are not designated as a cabinet. Please advise if they are to be included in the casework scope. If so, are the tops of these units to be p-lam?

Suggestion

Answer — **Date Answered:**

These should be included as part of the casework scope and should have laminate tops that match the vertical laminate. Countertops are not required.

Request for Information 000.PB285

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB285 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Library Shelving

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

In room 714, Library, elevation 7/A702 is not designated while 8/A702 has a casework number referenced. On plan A106C, all of these units are noted SH-1 and part of section 123550. Please verify that all shelving units (SH) are part of section 123550.

Suggestion

Answer | **Date Answered:**

All shelving units are part of the SH designation as shown on A106C.

Request for Information 000.PB286

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB286 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Knee Wall

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

At room 905, elevation 1/A706 and 12 & 13/A401 notes a “kneewall with cap”. Please provide a detail for this.

Suggestion

Answer — **Date Answered: 7/31/2019**

Duplicate RFI, see the response to PB113

Request for Information 000.PB287

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB287 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject	Trade Contractor
Window Sills	Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

On the window sills at CW6 in room 400, elevation 6 & 7/A706 do not designate and solid surface material required. However, the window detail for CW6 on A603 notes detail 14/A607 which is a shallow sill and apron. Detail 2/A310 appears to show a much deeper shill. Please advise on the depth of the sill.

Suggestion

Answer | **Date Answered:**

Detail 14/A607 is showing an 8" CMU backup. Per detail on A001, Exterior wall type 2A has a 12" CMU backup. Detail 2/A310 is closer to built conditions, sill and apron shall be the depth of the 12" CMU.

Request for Information 000.PB288

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB288 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Sills CW2, CW3

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

For sills at CW2 and CW3, sheet A603 calls for 13/A607 at CW2, which is a shallow sill and apron while 3/A306 appears to show just a flat 10” sill set into top. Please confirm if the sills are required for these locations.

Suggestion

Answer | **Date Answered:**

CW-2 and CW-3 occur at the Outdoor Learning Area and have the deep sill and double handrail as shown on detail 3/A306.

Request for Information 000.PB289

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB289 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Room 408

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

Please clarify items in roof 408. Drawings A101B and A106B have items labeled differently.

Suggestion

Answer | **Date Answered:**

Items are labeled correctly on A101B. See plumbing plans for additional information about sump pit.

Request for Information 000.PB290

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB290 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

B,C/A401

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

Please confirm that the toilet room subbies in details b & C/A401 are plastic laminate.

Suggestion

Answer | **Date Answered:**

Toilet room cubbies are plastic laminate.

Request for Information 000.PB291

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB291 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Integral Bowls

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

In the 16A Scope of work under Millwork & Casework it lists “integral bowls in solid surface tops”. Please confirm that these bowls, sinks, and faucets will be provided by the 15A contractor.

Suggestion

Answer — **Date Answered: 7/31/2019**

Per the response to PB087, there are no solid surface integral bowls on the project

Request for Information 000.PB292

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB292 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Dewatering

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

The 6A Package Scope of Work includes the dewatering of all below grade pits. Please confirm that this would only include the therapy pool.

Please confirm that 6A will use the 3A provided equipment for necessary dewatering of all below grade pits.

Suggestion

Answer | **Date Answered: 7/31/2019**

Reference deleted, see revised 06A scope per Addendum #4
Reference each specific scope for dewatering requirements

Request for Information 000.PB293

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB293 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Greenhouse Lighting

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/1/2019**

Please confirm that the wall mounted lights in the greenhouse are the task lights referenced in specification section 13 34 13.13-2.03D and not in the 6A scope of work.

Suggestion

Answer | **Date Answered:**

06A contractor to provide all grow lights as a part of their greenhouse add alternate price. 16A contractor to provide all task lights as a part of their greenhouse add alternate price.

The wall mounted lights are the task lights.

Request for Information 000.PB294

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB294 | **Date Submitted: 7/25/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Fall Protection

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/1/2019**

At any point during the construction will the 6A contractor be required to provide fall protection on the roof for all trades after the parapet wall is constructed?

Suggestion

Answer — **Date Answered: 7/31/2019**

Reference 05A scope and PB034 previously issued

Request for Information 000.PB295

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB295 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Stair Tower Duration

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

An 8 week minimum is acknowledged from addendum 3 response PB.RF1040 regarding the temporary stair in the 6A Scope of work. Please advise what the expected maximum duration that the stair will be needed for.

Suggestion

Answer — **Date Answered: 7/31/2019**

Assume 8 weeks duration

Request for Information 000.PB296

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB296 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Greenhouse Manufacturers

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

The Greenhouse acceptable manufacturers provided in the specifications are non-responsive. Please advise of additional approved manufacturers.

Suggestion

Answer | **Date Answered:**

See response to RFI 268.

Request for Information 000.PB297

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB297 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject	Trade Contractor
Defibrillator	Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Please advise is there are more than one defibrillator cabinet. Only one could be found outside of the health suite waiting area.

Suggestion

Answer | **Date Answered:**

Assume 5 defibrillator cabinets in the scope of project. Locations to be determined by Owner.

Request for Information 000.PB298

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB298 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Flag Pole Base

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Please provide a detail for the concrete base of the flagpole.

Suggestion

Answer — **Date Answered: 7/31/2019**

See 3/C-3H

Request for Information 000.PB299

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB299 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Roller Shades

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Please clarify the locations of the roller shades as none are called out on the drawings besides in the Greenhouse.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB231

Request for Information 000.PB300

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB300 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Spec 101419

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

In the 6A Scope of Work under the Signage Specific Scope it lists specification section 10 14 19 but this specification is not provided. Please advise.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB278

Request for Information 000.PB301

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB301 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Accubid Civil Construction, Inc. 1010 Deer Hollow Drive Mount Airy, Maryland 21771

Author RFI Number

Subject	Trade Contractor
Site Wall Profiles	Accubid Civil Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Wall Profiles do not correspond with plan view. Also in the 2A scope it says
the contractor is responsible for segmental block walls and there is a corresponding spec; however, there is no indication as to what walls are to be block or concrete.

Suggestion

Answer — **Date Answered: 7/31/2019**

See revised drawings and 02A scope issued with Addendum #4 and the response to PB213

Request for Information 000.PB302

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB302 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Accubid Civil Construction, Inc. 1010 Deer Hollow Drive Mount Airy, Maryland 21771

Author RFI Number

Subject	Trade Contractor
ESC SSF	Accubid Civil Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

ESC sheet C-2D & C-2E are showing SSF outside of the LOD and within a wood area that is not indicated for clearing, is this correct and should this area be cleared to the property line were the SSF is shown to be installed?

Suggestion

Answer — **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
The SSF will follow the LOD as shown.

Request for Information 000.PB303

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB303 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Accubid Civil Construction, Inc. 1010 Deer Hollow Drive Mount Airy, Maryland 21771

Author RFI Number

Subject	Trade Contractor
Roof Drains	Accubid Civil Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Not all the roof drain pipes on the civil drawings have size labels, Should the all be 6” and what type of material?

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB304

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB304 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Accubid Civil Construction, Inc. 1010 Deer Hollow Drive Mount Airy, Maryland 21771

Author RFI Number

Subject	Trade Contractor
Drain Structures	Accubid Civil Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

On sheet C-4D the roof drain in the vicinity of SWM-3 appears to have some type of structure at the connection points (MH or CO) please confirm this.

On Sheet C-4C the under drain in SWM-26 appears to have some type of structure at the connection points (MH or CO) please confirm this.

Suggestion

Answer — **Date Answered:**

PRE - BID RFI Response - 7/30/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 drawings for clarification.

Request for Information 000.PB305

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB305 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Accubid Civil Construction, Inc. 1010 Deer Hollow Drive Mount Airy, Maryland 21771

Author RFI Number

Subject

Turf Underdrains

Trade Contractor

Accubid Civil Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

On sheet L-2.6 detail 3-Synthetic Turf notes to “See Civil Drawings for underdrain information”, however there does not appear to be any information as to the underdrains for the synthetic turf in the court yard on the civil drawings.

Suggestion

Answer — **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please allow for a 4" HDPE underdrain with 57's gravel. the underdrain system will tie into the trench drain and yard drain system.

Request for Information 000.PB306

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB306 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Key Systems, Inc. 10839 Philadelphia Road White Marsh, MD 21162

Author RFI Number

Subject	Trade Contractor
Room Controller Location	Key Systems

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Drawing E202 Drawing Note 2 states that the classroom room controllers shall be located in associated wings penthouse. Note 2 also states to provide a ¾" empty conduit minimum with pull string and bushed ends from each room controller to classroom for room controller control wiring. If we are to install the non-networked room controllers in the penthouse instead of above the door of each classroom, this means the 277 volt conductors, the dimming cables, the low volt cabling from the light switches, and the occupancy sensors will need to go from each classroom to the associated penthouse. This increases the materials and labor significantly as opposed to mounting each room controller above the door of each classroom. Please consider placing the room controllers above the door of each classroom in lieu of placing the room controllers in the associated penthouse.

Suggestion

Answer | **Date Answered:**

These applications where reviewed with FCPS maintenance department. This is the preferred application per FCPS.

Request for Information 000.PB307

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB307 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Key Systems, Inc. 10839 Philadelphia Road White Marsh, MD 21162

Author RFI Number

Subject	Trade Contractor
Lighting Control	Key Systems

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Is the lighting control wiring for the low volt switches, occupancy sensors, etc. required to be in conduit, or can it be run on j hooks and sleeved through walls like the low volt data cabling?

Suggestion

Answer | **Date Answered:**

Low voltage cabling from Room Controller located in associated penthouse to each classroom shall be in conduit, low voltage switches (as indicated in the electrical legend) shall have a back box and conduit with bused end in walls up to accessible ceiling. Independent J-hooks acceptable within each classroom for low voltage lighting controls.

Request for Information 000.PB308

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB308 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Accubid Civil Construction, Inc. 1010 Deer Hollow Drive Mount Airy, Maryland 21771

Author RFI Number

Subject	Trade Contractor
MBR Facility	Accubid Civil Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 8/2/2019**

On sheet C-4Z Addendum 3 the profile for SWM-26 is the only MBR facility that is not indicating being lined with HDPE, Is this correct? **ALL SWM facilities are the be lined with a HDPE 30 Mil Liner.**

Sheet C-4AA addendum 3 the detail for the MBR notes filter fabric on the sides of the facilities, is this to be included on facilities with the HDPE liner? **Filter fabric is not required in lieu of HDPE Liner.**

Sheet C-4AA addendum 3 the detail for the MBR has a 1” seed mix layer; however, there is no specification for this shown on the drawing, it has a spec for a mulch layer. **Increase the bio-mix by 1" and delete the mulch layer. Seed mix is called out on the LS sheets.**

Suggestion

Answer **Date Answered:**

Request for Information 000.PB309

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB309 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Keller Brothers Inc. 1012 Rising Ridge Road Mount Airy, MD 21771

Author RFI Number

Subject

Composite Cleanup Crew

Trade Contractor

Keller Brothers, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Please clarify the composite cleanup crew requirements for the 6A Package. In the 6A scope of work “Miscellaneous Scope Items for General Trades Package” item #16 outlines a required (1) laborer per every (15) men on site, whereas “General Scope of Work For All Trades” item L.3 states the requirement as (1) laborer per every (10) men on site.

Suggestion

Answer | **Date Answered: 7/31/2019**

Provide 1 laborer per every 15 men on site

Request for Information 000.PB310

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB310 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Keller Brothers Inc. 1012 Rising Ridge Road Mount Airy, MD 21771

Author RFI Number

Subject

Dumpsters

Trade Contractor

Keller Brothers, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Please reference part 22.b of the FCPS Supplemental Instructions to AIA Document A701. This seems to indicate that individual trade package contractors are responsible for providing their own dumpsters, however the General Scope of Work For All Trades and the 6A General Trades scope descriptions imply that dumpsters will be furnished by the Construction Manager. Please confirm that the Construction Manager will provide dumpsters for 6A Contractor use.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB235

Request for Information 000.PB311

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB311 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Keller Brothers Inc. 1012 Rising Ridge Road Mount Airy, MD 21771

Author RFI Number

Subject

Plywood Backerboard

Trade Contractor

Keller Brothers, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Please confirm that as part of 6A Carpentry scope of work item #4, plywood backer-board laminating is required at all penthouse areas.

Suggestion

Answer — **Date Answered: 7/31/2019**

See response to PB317

Request for Information 000.PB312

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB312 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Keller Brothers Inc. 1012 Rising Ridge Road Mount Airy, MD 21771

Author RFI Number

Subject	Trade Contractor
Stage Curtains	Keller Brothers, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Please reference specification 116143 Stage Curtains for the following questions:

a. Part 2.1: Please confirm that LuXout Stage Curtains is an acceptable manufacturer. LuXout has been making stage curtains for over 65 years in Richmond, VA.

b. Part 2.7,A is calling for a curved track. All drawing sheets with the exception of sheet A800 show straight tracks. Please clarify.

c. Part 3.6 outlines draw-curtain machine/motor installation, however all curtains are scheduled as manual operation. Please confirm this part does not apply to the project.

d. Parts 3.8,A and 3.8,C are calling for a cotton lining. Please confirm that a polyester lining to match polyester face fabric material is not desired. A 25 oz. IFR fabric will not require a lining.

e. Part 3.8,C is calling for the Valance to be on a track. Please verify as this is highly unusual.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the responses to PB146 and PB275

Request for Information 000.PB313

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB313 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Keller Brothers Inc. 1012 Rising Ridge Road Mount Airy, MD 21771

Author RFI Number

Subject

Knee Wall Cap

Trade Contractor

Keller Brothers, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Please clarify the desired wall cap material called out in sections 12 & 13 sheet A401 at Ramp 905A Kneewalls.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB113

Request for Information 000.PB314

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB314 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Millwork Specifications

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

The following items are not addressed in either the millwork spec (062000 – Finish Carpentry) or the casework specs (123216 – Manufactured Casework, 123550 – Media Center Casework). Please provided specifications for the following items:

a. Cubbies
b. Teacher's Work Stations (with Wardrobe)
c. Custom Cabinet by Changing Tables
d. Custom Corridor Benches
e. Reception Desk

Suggestion

Answer | **Date Answered:**

Cubbies, Teacher's Work Stations (with Wardrobe), Custom Cabinet by Changing Tables and Reception Desk are detailed on A-405 and are part of the Manufactured Casework specification 12 32 16.

Corridor Benches are detailed on sheet A-406 and shall reference Finish Carpentry Specification, 06 20 00

Request for Information 000.PB315

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB315 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Casework Numbers

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

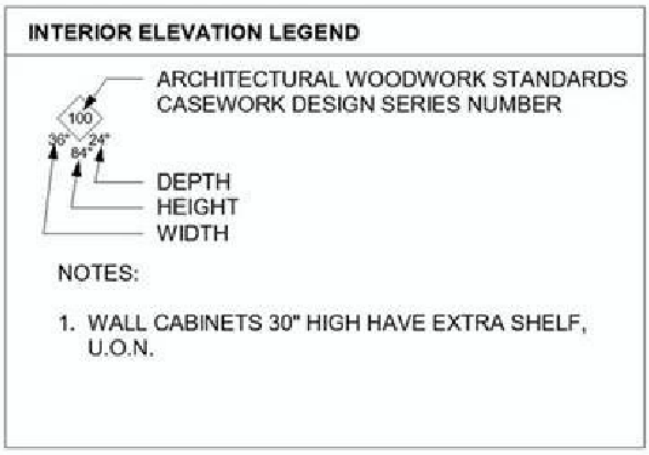
Question | **Date Required: 8/2/2019**

The Interior Elevations drawings (A700 series) show what appear to be item numbers at each casework type. (a diamond shape with a corresponding number). However a casework schedule was not provided – please clarify.

Suggestion

Answer | **Date Answered:**

Casework numbers on the plans are cabinet design numbers in Architectural Woodwork Standards. The number inside the diamond designates the basic cabinet style. The numbers outside the diamond denotes the cabinet width, height and depth. See Interior Elevation Legend



Request for Information 000.PB316

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB316 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject	Trade Contractor
Casework Details	Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

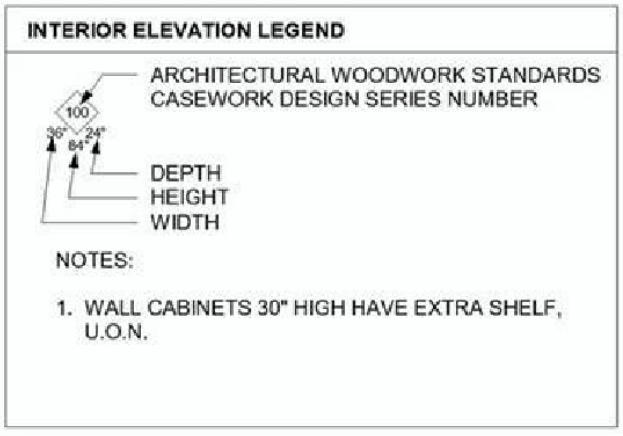
Question | **Date Required: 8/2/2019**

There are no casework details on the plans. Therefore we assume we are to fully rely on the specs. Please confirm this is correct.

Suggestion

Answer | **Date Answered:**

Casework numbers on the plans are cabinet design numbers in Architectural Woodwork Standards. The number inside the diamond designates the basic cabinet style. The numbers outside the diamond denotes the cabinet width, height and depth. See Interior Elevation Legend.



Request for Information 000.PB317

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB317 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Hancock & Albanese, Inc. 6600 Santa Barbara Road Elkridge, MD 21075

Author RFI Number

Subject

Plywood Backerboard

Trade Contractor

Hancock & Albanese

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

There are no plywood backboards called out on the Mechanical, Electrical or Telecommunication drawings – please confirm none are required.

Suggestion

Answer | **Date Answered:**

Plywood backboards are required in the telecommunication spaces.

Request for Information 000.PB318

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB318 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Master Care Flooring, Inc 4000 Coolidge Avenue Baltimore, MD 21229

Author RFI Number

Subject

Resilient Athletic Flooring

Trade Contractor

Mastercare Flooring

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

There is only one specified manufacturer for spec 098566

We would like to be able to bid this with an equal product from Connor Sports "Control XT 8mm" which I've attached a cut sheet on the product. Connor is an approved vendor for the poured urethane floor so it only makes sense to allow us to use the Control XT, otherwise I will not be bidding.

Suggestion

Answer | **Date Answered:**

Substitution request is approved, provided that specified 5-year material warranty can be provided.

PAA Response - 7/30/2019

SECTION 096566 - SYNTHETIC ATHLETIC FLOORING

PART 1 - GENERAL

1.1 DESCRIPTION:

A. Scope

The complete installation of a prefabricated rubber sports surface including adhesive and game line striping as manufactured by Connor Sports.

B. Related work specified under other sections.

1. CONCRETE SUBFLOORS……..SECTION 03300
   a. Slab Depression: Equal to thickness of selected flooring (5, 6, 8,10,12,13 or 14mm).
   b. Concrete Finish: Shall be steel troweled, dense and finished smooth, not polished.
   c. Slab Tolerance: A tolerance of 1/8" (3mm) in 10' (3m) radius shall be maintained throughout. Floor Flatness and Floor Levelness (FF and FL) numbers are not recognized.
   d. No concrete curing, hardening or sealing agents shall be applied to the concrete subfloor.
2. MEMBRANE WATERPROOFING……..SECTION 07100
   a. Concrete subfloors on or below grade shall be adequately waterproofed, beneath, at perimeter walls, and on earth side of below grade walls.
   b. Type and extent of membrane shall be determined by the Project Engineer and installed by the General Contractor.
3. THRESHOLDS……..SECTION 08700
4. GAME STANDARDS……..SECTION 11500

1.2 REFERENCES:

A. American Society for Testing & Materials

1. ASTM D 412: Standard Test Method for Tension Testing for Rubber and Elastomers
2. ASTM D 1894-01: Standard Test Method of Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting.
3. ASTM D 2047: Standard Test Method for Static Coefficient of Friction of Floor Surfaces
4. ASTM D 2240: Standard Test Method for Rubber Property—Durometer Hardness
5. ASTM D 5116: Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products

6. *ASTM E 648: Standard Test Method for Critical Radial Flux of Floor-Covering Systems Using a Radiant Heat Energy Source*

7. *ASTM E 662: Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials*

8. *ASTM F 970: Standard Test Method for Static Load Limit*

9. *ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete using "In Situ Probes"*

10. *ASTM G 21: Standard Practice for Determining Resistance of Synthetic Polymetric Materials to Fungi.*

B. *European Standard maintained by CEN (European Committee for Standardization)*

a. *EN 12235 Surfaces for sports areas. Determination of vertical ball behaviour*

C. *DIN - Deutsches Institut für Normung e.V. (German Institute for Standardization)*

a. *DIN 18032-2 Sport Halls; Halls for Gymnastics and Games; Floors for Sporting Activities; Requirements; Testing*

1.3 SUBMITTALS:

A. *Manufacturers Product Information*

1. *Submit (3) copies of Connor Sports Control XT System Specification Sheets or as requested.*

B. *Samples*

1. *Submit (1) set of samples showing colors and texture of the Control XT surface or as requested.*

C. *Shop Drawings*

1. *Submit (1) set of shop drawings reflecting seam placement and layout.*

D. *Maintenance Literature*

1. *Submit (3) copies of Connor Sports Control XT maintenance instructions.*

1.4 QUALITY ASSURANCE:

A. *Manufacturer*

1. *Manufacturer shall be an established firm with a minimum of 10 years in business specializing in manufacturing prefabricated sheet rubber for athletic surfaces.*

2. *Manufacturer shall be ISO 9001 & ISO 14001 certified.*

B. *Flooring Contractor:*

1. *The complete installation of the flooring system shall be performed only by an experienced flooring contractor with a minimum three years of experience installing athletic surfaces and approved by the manufacturer.*

2. *All work will be performed in accordance with the most recent printed installation instructions of the manufacturer.*

1.5 DELIVERY, STORAGE AND HANDLING:

Materials must be delivered in manufacturer's original, unopened and undamaged packaging with identification labels intact.

1. *The general contractor shall provide an area where stored materials can be maintained at 65 to 80 degrees F (18.3 to 26.7 degrees C).*
2. *Store material in a secured area protected from exposure to harmful weather conditions on a clean, dry, flat surface protected from possible damage.*

1.6 SITE CONDITIONS:

A. *The prefabricated rubber sheet flooring specified herein shall not be installed until all trades including but not limited to, masonry, painting, plaster, tile, marble, terrazzo, carpentry, overhead mechanical trades', goals, scoreboard, electrical, and painters have finished in the installation area.*

1. *The area will be closed and secured from all foot traffic and trades for duration of the installation and curing period.*
2. *The building shall be enclosed, weather-tight, with permanent windows and lockable doors.*
3. *Permanent heat, light and ventilation shall be installed and operating prior to, during and after installation.*
4. *Subfloors shall be broom clean, dry and free from dirt, dust, oil, grease, paint, and alkali, concrete curing agents, hardening and parting compounds, old adhesive residue or other foreign materials.*
5. *Moderate room temperature of 65 to 80 degrees F (18.3 to 26.7 degrees C) shall be maintained for a week prior to, during and for 72 hours after installation.*
6. *Concrete tolerance of 1/8 inch (3mm) in ten foot (3m) shall be maintained throughout. High spots shall be ground level and low spots filled with a Portland base compound such as Ardex Feather Finish. No concrete curing, hardening or sealing agents shall be applied to concrete.*
7. *Concrete must dry for a minimum of 30 days and slab moisture levels shall not exceed 85% in accordance with "Determining Relative Humidity in Concrete with In-Situ Probes" respecting ASTM F2170. HVAC must be operational and with a constant temperature for 7 days prior to testing.*

B. *The installation area shall be closed to all traffic and activity during installation and for seven days following to allow drying/curing.*

1. *After completion, area to be kept locked by general contractor.*
2. *No other trades or personnel to be allowed on floor until accepted by owner.*

1.7 WARRANTY:

A. *Connor Sports provides a limited warranty of three (3) years on materials. (A copy of the full warranty, with its Terms and Exclusions, is available from the authorized Connor Sports Dealer.) This warranty is expressly limited to the flooring materials (goods) supplied by Connor Sports. This warranty does not cover floor damage caused (wholly or in part) by fire, winds, flood, other unfavorable atmospheric conditions or chemical action, nor does it apply to damage caused by ordinary wear, misuse, failure to follow recommended maintenance instructions, abuse, negligent or intentional misconduct, aging, faulty building construction, concrete slab separation or movement, moisture*

migration either through slab or any other source, faulty or unsuitable subsurface or site preparation, settlement of the building walls or faulty or unprofessional installation of Connor Sports flooring systems.

B. *The foregoing warranty is in lieu of and excludes all other warranties not expressly set forth herein, whether express or implied, including, but not limited to any implied warranties of merchantability or fitness. Connor Sports and its contractors shall not be liable for incidental or consequential losses, damages or expenses, directly or indirectly arising from the sale, handling or use of the goods, or from any other cause relating thereto, and their liability hereunder in any case is expressly limited to the replacement of goods not complying with this agreement, or, at their election, to the repayment of, or crediting Buyer with, an amount not to exceed the original purchase price of such goods, whether such claims are for breach of warranty or negligence.*

PART 2 – PRODUCTS

2.1 MANUFACTURER*:*

Basis for design is Control XT as manufactured by Connor Sports.

2.2 MATERIALS*:*

A. *Material shall be prefabricated rubber athletic flooring manufactured with a base of natural and synthetic rubber, stabilizing agents and pigmentation.*

1. *Only vulcanized sheet rubber will be accepted.*
2. *Flooring surface shall be manufactured to maintain performance criteria, as stated by manufacturer, without defects, damage, or failure.*
3. *Thickness shall be ___ (choose one,5, 6, 8, 10, 12, 13, or 14mm)*
4. *Color shall be _____ (Select from standard, custom colors available at additional charge)*
5. *Finish shall be_____ (Select smooth, orange peel or wood grain)*
6. *Material shall be provided in rolls only.*

B. *Adhesive*

Two-component polyurethane adhesive as supplied by Connor Sports.

C. *Game Line Paint*

Two-component polyurethane. Select from standard colors.

2.3 PHYSICAL PROPERTIES*:*

Physical Properties	*Standard*	*Specification*
Shock Absorption	*DIN 18032*	*35%*
Hardness Shore A	*ASTM D2240*	*68/55 ±5*
Critical Radiant Flux	*ASTM E648, NFPA 101*	*1.03 W/cm2,*
Optical Smoke Density	*ASTM E662*	*< 450 Class 1*

Static Load Limit (mm) (250psi,24h)	*ASTM F970-07*	*0.28*
Fungal Resistance Test	*ASTM G21-90*	*No growth*
Coefficient of Friction	*ASTM D2047*	*0.99 Dry, 1.11 Wet*
Taber Abrasion H-18, 1000g, 1000cycle	*ASTM D1894-01*	*0.029*
Elongation	*ASTM D-412*	*≥255*
Tensile Strength	*ASTM D-412*	*≥240*
Ball Rebound	*BS EN12235*	*≥95*
V.O.C. Compliance	*ASTM D5116*	*Yes*
Color Stability		*Good*
Light reflection		*Average*
Chemical Resistance		*Good*

PART 3 - EXECUTION

3.1 INSPECTION:

A. *Inspect concrete slab for proper tolerance of 1/8 inch (3mm) in ten foot (3m). Report discrepancies to general contractor for correction.*

1. *High spots shall be ground level and low spots filled with a Portland base compound such as Ardex Feather Finish.*

B. *Perform moisture testing of the slab. "Determining Relative Humidity in Concrete with In-Situ Probes" not to exceed 85% respecting ASTM F2170. Report results to the general contractor. See addendum in installation guides for details.*

1. *HVAC must be operational and with a constant temperature for 7 days prior to testing.*
2. *Allow further drying time if moisture tolerances are exceeded.*

C. *Ensure all requirements from section 1.6 SITE CONDITIONS are completed and satisfied.*

D. *All work required to put the concrete slab in an acceptable condition and provide correct working conditions for a successful installation is the responsibility of the General Contractor or Construction Manager.*

3.2 INSTALLATION:

A. *Install athletic flooring in accordance with current manufacturer's installation instructions*

1. *Disc sand concrete in preparation to receive flooring material.*
2. *Unroll flooring and allow relaxing overnight while maintaining a constant room temperature.*
3. *Thoroughly mix two-component polyurethane adhesive per manufacturer's instructions and apply directly to concrete subfloor.*

3. *Install flooring into freshly applied adhesive, scribing and fitting neatly at walls, around columns and around door frames. Use matching urethane caulk at tight fit locations.*

4. *Roll material in multiple directions with a 100-pound (45.4 kg) roller to remove entrapped air.*

5. *Clean any adhesive that migrates between seams with recommended product.*

6. *Hold and weight all seams in place with cinder bricks. Leave weight in place for a minimum of 12 hours.*

B. *Game Lines*

1. *Use only high quality masking tape approved by Connor Sports.*

2. *Carefully layout and mask game lines as indicated on drawings.*

3. *Prime area to receive paint per manufacturer's instruction.*

4. *Thoroughly mix two-component game line paint.*

5. *Apply paint by spray method*

C. *Wall Base (optional)*

Install vinyl base anchored to walls with base cement.

D. *Cleanup*

1. *Collect and remove all bricks (weights)*

2. *Remove all excess and waste materials from the area of work. Leave area clear from installation debris and empty containers.*

END OF SECTION 096566

CONNOR® SPORTS

TRACTION SYSTEMS

CONTROLXT™

MULTI SPORT ATHLETIC SURFACE

connorsports.com/traction

CONTROL XT™

MULTI SPORT ATHLETIC SURFACE

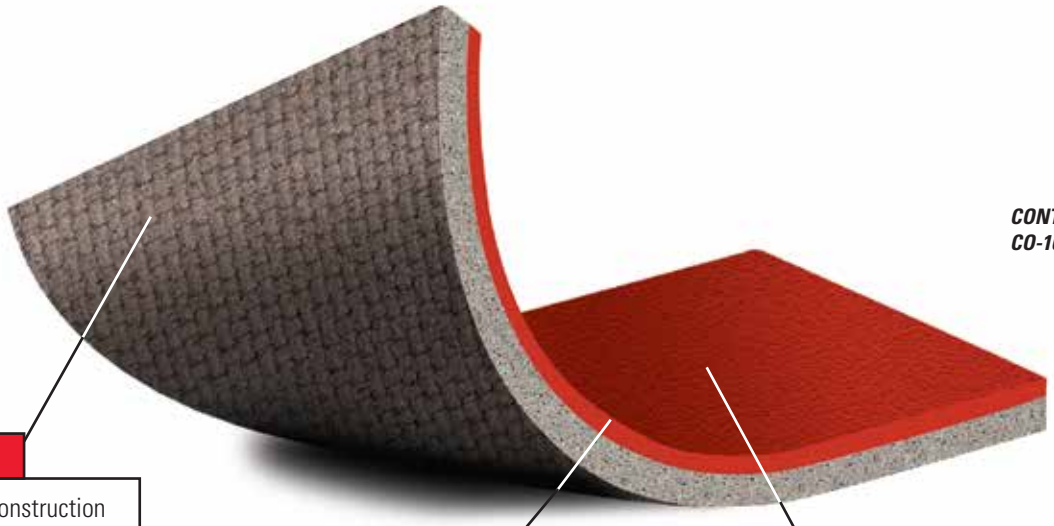
Connor Sports • 800.283.9522 • info@connorsports.com • connorsports.com/traction

Non-porous, anti-microbial design resists bacteria and odors.

Acknowledge your team with custom logos and mascots.

Suitable for multi sports, including volleyball, basketball & aerobics.

*Optional recycled rubber base layer qualifies for **LEED**® credits.*



CONTROL XT / REAL RED
***CO-16** Orange Peel*

BASE LAYER

Dual Durometer Construction Provides Outstanding Force Reduction and Safety.

CORE LAYER

Core Layer Disperses Impact, Virtually Eliminating "Bottoming Out."

TEXTURE LAYER

Designed for Heavy Indoor Competition. Available in Orange Peel or Marble Textures.

THICKNESS

Control XT Orange Peel and Marble Athletic Surfaces are Available in 5, 6, 8, 10, 12 & 14mm Thickness.

MARBLE

ORANGE PEEL

ONYX
***CO-67** Orange Peel*

BEIGE
***CO-66** Orange Peel*

PURPLE
***CO-91** Orange Peel*

DARK BLUE
***CO-21** Orange Peel*

REAL RED
***CO-16** Orange Peel*

ORANGE
***CO-80** Orange Peel*

DARK GREEN
***CO-31** Orange Peel*

LIGHT GRAY
***CO-40** Orange Peel*

DARK GRAY
***CO-41** Orange Peel*

BURGANDY
***CO-25** Orange Peel*

Request for Information 000.PB319

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB319 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Sodding	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Specification section 32 93 05 Topsoiling, Seeding, and Sodding, Part 1, 1.4, A, indicates particular areas to be sodded, however the last part of the sentence states “unless indicated on the drawings” turning to Plan Sheet L 2.3, looking directly below the Landscape Planting Schedule, the following is stated: “Site Stabilization Note: -- All disturbed areas are to be stabilized by MD certified sod.” Please confirm that the all disturbed areas are to be sodded.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Confirmed.

Request for Information 000.PB320

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB320 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Pipe Run Lengths	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 8/2/2019**

Addendum 3, Plan sheet C-4Q, all stations for the three runs of pipe in the profile are indicated as 0+00 to 0+32. Please confirm or re-calculate the lengths.

Suggestion

Answer **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB321

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB321 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
StormTrap Bill of Materials	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 8/2/2019**

Addendum 3, Plan Sheet C-4R, upper right hand corner has the Bill of Materials, however, this bill of materials is for the 7'-0" single trap, not the 5'-6" double trap. Please provide correct Bill of Materials that corresponds to what is now indicated on the drawings to be installed.

Suggestion

Answer **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB322

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB322 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
16" HDPE Pipe	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Several storm drain profiles indicate 16” HDPE pipe, please confirm that the intent is to install 15” HDPE and not 16” diameter HDPE pipe.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
15" is confirmed.

Request for Information 000.PB323

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB323 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Storm Trap Access Manholes	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Addendum 3, Plan Sheet C-4R, please provide top elevations for Storm Trap access manhole lids and associated ring/cover diameter.

Suggestion

Answer — **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
All StormTrap access manholes will have 48" risers and a 30" vented frame and cover. Refer to grading plan for surface elevations. Contractor is responsible for final adjustments to surface paving.

Request for Information 000.PB324

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB324 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Courtyard Trench Drains	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Addendum 3, Plan Sheets C-4D and C-4E, there is indication of trench drains within the courtyard area. Please provide profiles of all trench drains and associated piping indicating invert elevations and lengths of the trench drains.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
All doorway trench drains to be 1 meter x 4" ACO K100 and all trench drains are to be tied into the courtyard storm drain via 4" pipe.

Request for Information 000.PB325

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB325 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Fill Composition	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 8/2/2019**

Specification section 31 20 00 Earthmoving, Part 2, 2.1, B. 1. States “Fill material within the top 12 inches of fill shall be free of rocks or stones exceeding one inch in any dimension” Is it your intent for this spec for all fills, to include fills under the concrete and asphalt paving, curbs, sidewalks, bio-ponds, etc. or was it your intent to provide this fill just under the grass playing field? Please clarify.

Suggestion

Answer **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
The intent of this spec is in all grass areas.

Request for Information 000.PB326

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB326 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject

Storm Drain Liner

Trade Contractor

Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Addendum 3, Plan Sheet C-4D and C-4E, the proposed 30 mil within the storm drain by-pass channel/basin area, please provide the limits of the liner up the slopes.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
The intent to is to provide the HDPE liner to the top of each slope and trenched in 12" at the top of the slope.

Request for Information 000.PB327

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB327 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Pipe Under Sidewalk	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Addendum 3, Plan sheet C-4E, please provide profile of pipe, under sidewalk, that connects both open basins.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB328

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB328 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Basin Liner	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 8/2/2019**

Addendum 3, Plan sheet C-4E, please indicate if the smaller of the two open basins receives a 30 mil liner. (No pipe size given, no pipe end treatments provided).

Suggestion

Answer **Date Answered:**

PRE - BID RFI Response - 7/30/19 JRB ADTEK Engineers, Inc.
ALL SWM areas required the HDPE Liner.

Request for Information 000.PB329

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB329 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject	Trade Contractor
Retaining Wall Pipe Profile	Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 8/2/2019**

Addendum 3, Plan sheet C-4D, please provide profiles for the pipe that runs from retaining wall 1 to retaining wall 4.

Suggestion

Answer **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB330

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB330 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Pleasants Construction Company 24024 Frederick Road Clarksburg, MD 20871

Author RFI Number

Subject

Box Culvert Rise

Trade Contractor

Pleasants Construction Company

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Addendum 3, Sheet C-4D, referring to the 96” Box Culvert, the span is 96”, please provide the height of the rise. (4’, 5’, 6’, 7’, or 8’)

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
The box culvert is your standard 4' x 8' precast.

Request for Information 000.PB331

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB331 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Callas Contractors 10549 Downsville Pike Hagerstown, Maryland 21741

Author RFI Number

Subject	Trade Contractor
Final Cleaning	Callas Contractors

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Which trade is required to perform final cleaning?

Suggestion

Answer — **Date Answered: 7/31/2019**

Final Cleaning to be by CM

Request for Information 000.PB332

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB332 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Callas Contractors 10549 Downsville Pike Hagerstown, Maryland 21741

Author RFI Number

Subject

Dumpsters

Trade Contractor

Callas Contractors

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Is the construction manager providing and maintaining dumpsters for all trades?

Suggestion

Answer | **Date Answered: 7/31/2019**

See the response to PB235

Request for Information 000.PB333

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB333 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Callas Contractors 10549 Downsville Pike Hagerstown, Maryland 21741

Author RFI Number

Subject	Trade Contractor
Temporary Facilties	Callas Contractors

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Per specification section 015000 2.1 Materials, 2.2 Temporary Facilities, 2.3 Equipment: Please clarify which trade(s) is required to provide temporary facilities included in the above listed sections.

Suggestion

Answer — **Date Answered: 7/31/2019**

CM to provide CM and Owner field offices
02A Contractor to provide and maintain temporary fence per scope
06A Contractor to provide and maintain fire extinguishers per scope
15A and 16A to provide and maintain temporary utilities per scopes

Request for Information 000.PB334

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB334 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Callas Contractors 10549 Downsville Pike Hagerstown, Maryland 21741

Author RFI Number

Subject	Trade Contractor
Greenhouse Scoping	Callas Contractors

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Per Section 002416 06A-Contract Package Greenhouse Specific Scope (Add Alternate #3): Is the 06A Contractor required to include a turnkey system including all trades for a complete greenhouse system? Design for footings are to be include as stated but is the 06A contractor to also include the furnishing and installation of foundations, footings, slabs and masonry?

Suggestion

Answer — **Date Answered: 7/31/2019**

As a part of add alternate price:
03A contractor to provide required footings and slab
04A contractor to provide required masonry walls
15A contractor to provide required plumbing and connections
16A contractor to provide required electrical work and connections

06A contractor to provide all remaining items for a complete installation

Reference specific trade scopes for further information

Request for Information 000.PB335

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB335 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Kinsley Manufacturing 2700 Water St. York, PA 17405

Author RFI Number

Subject

Metal Walkway Covers

Trade Contractor

Kinsley Manufacturing

Cc:	Company Name	Contact Name	Copies	Notes

Question **Date Required: 8/2/2019**

Regarding Metal Walkway Covers, Section 10 73 26.13-3, the basis-of-design manufacturer has the following concerns with the wording of the specifications and details on the drawings.

Part 2.1 A. 2. Describes Solar Reflectance Index. The manufacturer cannot meet this requirement and requests it be removed from the specification.
Please consider making the requested change.

The structural drawings indicate base plates on the canopy columns, but the manufacture has an issue meeting engineering requirements with base plated columns and recommends embedding the base bid canopy columns 24 inches in the footings and embedding the alternate canopy columns 12 inches. Please consider making the requested change.

Suggestion

Answer **Date Answered:**

Embedding the columns into the footing is acceptable. MCI will need to know the reactions for the columns to confirm the footing size. With the column being embedded into the footing 24" the footing depth will need to increase in size. MC recommends the canopy supplier provide a typical column base detail for our review and coordination.

Nick Morabito 07.30.2019

Section 10 73 26.13, REPLACE paragraph 2.1.A.2 with the following:

2. Solar Reflectance Index (SRI) for low sloped roof surface materials: Metal walkway cover deck shall comply with one of the following:
   a. Minimum Initial SRI: 82.
   b. Minimum 3-year Aged SRI: 64

PAA Response, 07.30.19

Request for Information 000.PB336

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB336 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject

Sales Tax

Trade Contractor

Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/2/2019**

Do contractors need to include sales taxes in their bid amount?

Suggestion

Answer — **Date Answered: 7/31/2019**

Contractors shall provide all sales and use taxes as required

Request for Information 000.PB337

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB337 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Brawner Builders 11011 McCormick Road, Suite 300 Hunt Valley, Maryland 21031

Author RFI Number

Subject	Trade Contractor
Colored Images	Brawner Builders

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

In regards to Spec Section 101423 – 3.4E-2: are the colored images to be the entire height of the door?

Suggestion

Answer | **Date Answered:**

Provide graphic image to cover glazed panels at each door leaf. See interior elevation 12/A704 and door type FD-1/A602 for extent.

Request for Information 000.PB338

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB338 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Can Am 10111-G Bacon Drive Beltsville, MD 20705

Author RFI Number

Subject

Lift Track Support

Trade Contractor

Can Am Contractors, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Toilet rooms B101B & and other similar rooms shows lift track on reflective ceiling drawings. Please confirm lift track will come with its own suspension system and does not need any framing or support from 9A.

Suggestion

Answer | **Date Answered: 7/31/2019**

See the response to PB105

Request for Information 000.PB339

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB339 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Can Am 10111-G Bacon Drive Beltsville, MD 20705

Author RFI Number

Subject

LEED

Trade Contractor

Can Am Contractors, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

None of ceiling grid and tile is manufacture between 100 mile radius. Please confirm that 100 mile radius manufacture of materials is not applicable to ceiling grid and tile and typically these materials are manufacture more than 500 miles.

Please confirm that LEED requirements for Section 05400, section 092216 & section 092900 are not finalized. Some of recycle contents & manufacture distances are not reachable.

Suggestion

Answer | **Date Answered:**

ACT and Grid are NOT required to be manufactured/extracted within 100 miles, however if they happen to be they can be submitted for review.

Request for Information 000.PB340

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB340 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Can Am 10111-G Bacon Drive Beltsville, MD 20705

Author RFI Number

Subject

Ceiling Coordination

Trade Contractor

Can Am Contractors, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Please confirm that ceiling coordination drawings is not need it for section section 095100. If need it confirm that 2D drawings are acceptable and no coordination meetings is require.

Suggestion

Answer | **Date Answered: 7/31/2019**

Per General Scope of Work Item P.31, 09A Contractor to participate in BIM coordination for all components of work installed under their contract package

Request for Information 000.PB341

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB341 | **Date Submitted: 7/26/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Can Am 10111-G Bacon Drive Beltsville, MD 20705

Author RFI Number

Subject

Warranty

Trade Contractor

Can Am Contractors, Inc.

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/2/2019**

Section 098433 - Please confirm that standard manufacture warranty is acceptable in lieu of 30 years warranty.

Suggestion

Answer | **Date Answered:**

Standard manufacturer's warranty is acceptable, provided that it is in effect for a minimum of 5-years. A warranty period of less than 5 years will not be accepted.

PAA Response - 7/30/2019

Request for Information 000.PB342

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB342 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject	Trade Contractor
Seed/Sod	Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

Spec section 32 93 05 1.4.A calls for slopes greater than 4:1 and areas adjacent to the building to be sodded and the remaining areas to be seed. L-2.3 states, “All disturbed areas are to be stabilized with MD certified sod.” Please advise which is correct.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB319

Request for Information 000.PB343

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB343 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

MD Ave. Barrier

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

Is there some type of barrier required at the end of Maryland Avenue?

Suggestion

Answer — **Date Answered: 7/31/2019**

Reference C-3E issued with addendum #5

Request for Information 000.PB344

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB344 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

Blasting

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

The Geotech report shows that rock is going to be an issue at this project. Can 2A scope item 4 be changed to allow blasting at the project? Other means will be very costly. We are requesting reconsideration that the site be classified as it pertains to rock. The limited information in the Geotech report has made it very difficult to quantify.

Suggestion

Answer — **Date Answered: 7/31/2019**

Blasting will not be permitted

Request for Information 000.PB345

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB345 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

Timber Guardrail

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

Detail 7 on Sheet C-3J shows timber guardrail at “Section A Sheet C-3D.” None of the walls on C-3D are called out in that manner. Please clarify.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB193

Request for Information 000.PB346

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB346 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

Hard Play Area Markings

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/5/2019**

Please provide information for the markings or amenities that are shown on the Hard Play Area on the South side of the building.

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc.
Please refer to addendum 5 for clarifications.

Request for Information 000.PB347

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB347 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject	Trade Contractor
Bollards	Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

There is a detail for bollards but they are not indicated on the plan view. Please provide location and quantity.

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB132

Request for Information 000.PB348

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB348 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject

Crane Pads

Trade Contractor

Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

In reference to 2A scope item 30, please provide the dimensions of the two crane pads

Suggestion

Answer — **Date Answered: 7/31/2019**

See the response to PB209

Request for Information 000.PB349

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB349 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Dustin Construction, Inc. 2510 Urbana Pike, Suite 201 Ijamsville, MD 21754	Matt Evans	Urban N. Zink, Contractor, Inc. 6924 Ebenezer Road Middle River, MD 21027

Author RFI Number

Subject	Trade Contractor
Staging Area	Urban N. Zink

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

In reference to 2A scope item 29, please provide the section of the stabilized trailer/sea cans area and staging area.

Suggestion

Answer — **Date Answered: 7/31/2019**

The intent is for the 02A Contractor to install the underground SWM area at the West side of the site, under the new parking lot, as soon as possible and then stone, curb and base pave this lot to use as a staging/laydown area as item 29 of the 02A specific scope

Request for Information 000.PB350

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB350 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Accubid Civil Construction, Inc. 1010 Deer Hollow Drive Mount Airy, Maryland 21771

Author RFI Number

Subject

Turf

Trade Contractor

Accubid Civil Construction

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/5/2019**

Will a specification be provided for the Synthetic Turf in the Court Yard area?

Suggestion

Answer | **Date Answered:**

PRE - BID RFI Response - 7/29/19 JRB ADTEK Engineers, Inc. Please refer to addendum 5 for clarifications.

The synthetic turf is in the playground protective surfacing spec. 32 30 30 issued with Addendum 03

Request for Information 000.PB351

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB351 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Barnes and Associates 848 Rolling Ridge Drive Westminster, MD 21157

Author RFI Number

Subject	Trade Contractor
Mineral Profile Paneling	Barnes and Associates

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

1. Per the color schedule:
a. MPP-2 are supposed to be located outside the Tech Lab 315. I do not see them on int elev A707. Please advise.
b. MPP-3 are supposed to be located outside Dining 500. I cannot locate where they go. Maybe corridor 015, east wall, bordering the dishwash? Please advise.
c. Reference A101A, there are MPP indicated outside of Cluster Storage 308, and shown on int elev 1 on A707. However these are not listed on the color schedule. Please advise on what type panels they are.

Suggestion

Answer — **Date Answered: 7/31/2019**

Locations for all five MPP's are shown on the A106 series of drawings. Each location is numbered.

Request for Information 000.PB352

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB352 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Barnes and Associates 848 Rolling Ridge Drive Westminster, MD 21157

Author RFI Number

Subject	Trade Contractor
1/S404	Barnes and Associates

Cc:	Company Name	Contact Name	Copies	Notes

Question — **Date Required: 8/5/2019**

Please advise what is required as far as light gauge framing per detail 1/S404 where it mentions “Secure light gauge tracks to angle hanger with 18 ga. Utility angle (not shown)”. Is this just infill between the tubesteel?

Suggestion

Answer — **Date Answered: 7/31/2019**

The top and bottom tracks for the wall infill need to be secured to the 6”x4” angle hanger with a 18 gauge clip angle.

Request for Information 000.PB353

Detailed RFI

Rock Creek Replacement | **Project # 148** | **Dustin Construction, Inc.**

RFI #: 000.PB353 | **Date Submitted: 7/29/2019**

Answer Company	Answered By	Author Company
Proffitt and Associates 49 S. Carroll Street Frederick, MD 21701	Donna Rosano	Barnes and Associates 848 Rolling Ridge Drive Westminster, MD 21157

Author RFI Number

Subject

A004 Wall Types

Trade Contractor

Barnes and Associates

Cc:	Company Name	Contact Name	Copies	Notes

Question | **Date Required: 8/5/2019**

Please clarify the following (ref.A004 wall types):

a. See side note “1C to 8” min. above finish ceiling”. Note for 1C also says CMU to underside of deck/structure. Next to it is marked “1D”. Which is correct?

b. See side note “1E to 8” min. above finish ceiling”. Note for 1E also says CMU to underside of deck/structure. Next to it is marked “1F”. Which is correct? (Note that a lot of the “1E” walls are smoke partitions according the life safety plans)

c. See side note “3C to 8” min. above finish ceiling”. Note for 3C also says CMU to underside of deck/structure. Next to it is marked “3D”. Which is correct?

Suggestion

Answer | **Date Answered: 7/31/2019**

a. Reference is for wall type 1D to 8” min. above finish ceiling.

b. Reference is for wall type 1F to 8” min. above finish ceiling.

c. Reference is for wall type 3D to 8” min. above finish ceiling.

ADDENDUM NO. 5

To Drawings and Specifications for

Rock Creek School

Replacement Project

Frederick County Public Schools

Bid #19C14

31 July 2019

INTRODUCTION:

This Addendum is issued for the purposes of amending the requirements of the drawings and specifications dated July 1, 2019, and is made a part of the Bidding Documents to the same extent as though it was included therein.

PREVIOUS ADDENDA:

Addendum #01, dated July 9, 2019
Addendum #02, dated July 15, 2019
Addendum #03, dated July 22, 2019
Addendum #04, dated July 29, 2019

INDEX:

A. SPECIFICATIONS
B. CIVIL DRAWINGS
C. STRUCTURAL DRAWINGS
D. ARCHITECTURAL DRAWINGS
E. POOL DRAWINGS
F. ELECTRICAL DRAWINGS

ATTACHMENTS:

- New Specification Section 10 14 19 – Dimensional Letter Signage, dated 07.30.19
- New Specification Section 32 30 10 – Exterior Modular Playground Equipment, dated 07.30.19
- Capital Equipment Information Unit Prices
- Revised Drawing A50 3 – Plan Details, dated 07.30.19
- Revised Drawing A103 – Roof Plan, dated 07.30.19
- Revised Drawing A520 – Roof Details, dated 07.30.19
- Revised Drawing A521 – Roof Details, dated 07.30.19

- New Drawing A522 – Roof Details, dated 07.30.19
- New Drawing A523 – Roof Details, dated 07.30.19
- New Drawing A524 – Roof Details, dated 07.30.19
- New Drawing A510 –Section Details, dated 07.30.19
- Revised Drawing A603 – Storefront and Curtainwall Types, dated 07.30.19
- Revised Drawing A604 – Storefront and Curtainwall Types, dated 07.30.19
- Revised Drawing A605 – Jamb Types, dated 07.30.19
- New Drawing A608 – Storefront and Curtainwall Details, dated 07.30.19
- Revised Drawing A801 – Alternative Specialized Education Wing – Alternate #2
- Revised Drawing C-0 – Cover Sheet, dated 07.29.19
- Revised Drawing C-2A – Overall Erosion and Sediment Control Plan, dated 07.29.19
- Revised Drawing C-2B – Erosion and Sediment Control Plan, dated 07.29.19
- Revised Drawing C-2C – Erosion and Sediment Control Plan, dated 07.29.19
- Revised Drawing C-2D – Erosion and Sediment Control Plan, dated 07.29.19
- Revised Drawing C-2E – Erosion and Sediment Control Plan, dated 07.29.19
- Revised Drawing C-2H – Erosion and Sediment Notes, dated 07.29.19
- Revised Drawing C-3A – Overall Site Plan, dated 07.29.19
- Revised Drawing C-3B – Site Plan, dated 07.29.19
- Revised Drawing C-3C – Site Plan, dated 07.29.19
- Revised Drawing C-3D – Site Plan, dated 07.29.19
- Revised Drawing C-3E – Site Plan, dated 07.29.19
- Revised Drawing C-3F – Alternate Plan, dated 07.29.19
- Revised Drawing C-3J – Site Details, dated 07.29.19
- Revised Drawing C-3K – Sewer Profiles, dated 07.29.19
- Revised Drawing C-3L – Sewer Profiles, dated 07.29.19
- Revised Drawing C-3M – Sewer Profiles, dated 07.29.19
- Revised Drawing C-3U – Wall Profiles, dated 07.29.19
- Revised Drawing C-3V – Wall Detail and Notes, dated 07.29.19
- Revised Drawing C-4A – Grading and Stormwater Management Plan, dated 07.29.19
- Revised Drawing C-4B – Grading and Stormwater Management Plan, dated 07.29.19
- Revised Drawing C-4C – Grading and Stormwater Management Plan, dated 07.29.19
- Revised Drawing C-4D – Grading and Stormwater Management Plan, dated 07.29.19
- Revised Drawing C-4E – Grading and Stormwater Management Plan, dated 07.29.19
- Revised Drawing C-4F – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4G – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4N – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4P – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4AA – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4AB – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4AC – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4AD – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4AE – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4AF – Storm Drain Profiles, dated 07.29.19
- Revised Drawing C-4AG – Storm Drain Profiles, dated 07.29.19
- Revised Drawing L-2.4 – Courtyard/Garden Materials, dated 07.30.19
- Revised Drawing L-2.5 – Courtyard/Memorial Dimensioning Plans, dated 07.30.19
- Revised Drawing L-2.6 – Courtyard Details, dated 07.30.19
- Revised Drawing S101B – Foundation and First Floor Plan – Area B, dated 07.30.19
- Revised Drawings S102B – Roof Framing Plan – Area B, dated 07.30.19
- Revised Drawing SP-0 – Pool Area Plan, dated 07.31.19
- Revised Drawing SP-1 – Pool Layout Plan and Sections, dated 07.31.19
- Revised Drawing SP-2 – Pool Piping and Hydraulic Schematic Filter Room Layout, dated 07.31.19
- Revised Drawing SP-3 – Pool Details, dated 07.31.19
- Revised Drawing SP-4 – Pool Details, dated 07.31.19
- Revised Drawing SP-5 – Pool Bonding and Electrical Schematics, dated 07.31.19
- Revised Drawing E001 – Elect. Legend, Abbreviations and Conventions, dated 07.30.19

- Revised Drawing E004 – Site Plan - Electrical, dated 07.30.19
- Revised Drawing E101A – First Floor Plan – Area A - Power, dated 07.30.19
- Revised Drawing E101B – First Floor Plan – Area B - Power, dated 07.30.19
- Revised Drawing E101C – First Floor Plan – Area C - Power, dated 07.30.19
- Revised Drawing E101D – First Floor Plan – Area D - Power, dated 07.30.19
- Revised Drawing E103 – Roof Plan - Electrical, dated 07.30.19
- Revised Drawing E301A – First Floor Plan – Area A – Fire Alarm, dated 07.30.19
- Revised Drawing E301C – First Floor Plan – Area C – Fire Alarm, dated 07.30.19
- Revised Drawing E302 – Penthouses – Fire Alarm, dated 07.30.19
- Revised Drawing E603 – Electrical Details, dated 07.30.19
- Revised Drawing E701 – Panelboard Schedules, dated 07.30.19
- Revised Drawing E702 – Panelboard Schedules, dated 07.30.19
- Revised Drawing E703 – Panelboard Schedules, dated 07.30.19
- Revised Drawing E705 – Panelboard Schedules, dated 07.30.19
- Revised Drawing E801 – Add Alternate No.2 – Specialized Ed. , dated 07.30.19
- Revised Drawing E805 – Add Alternate No. 1 – Parks and Rec., dated 07.30.19

A. SPECIFICATIONS

1. **REVISE –** Section 04 20 00 – paragraph 3.4.B – revise from Flemish bond to **Running bond.**
2. **REVISE –** Section 05 52 13 - paragraph 2.3.B – shall read “Steel Pipe: ASTM A 53/A 53M, Grade B Schedule 40, **galvanized with powder coat** black finish.
3. **ADD –** Section 07 71 00 – Manufactured Roof Expansion Joints
   a. ADD paragraph 2.2.A.i as follows: “i. Metal Roofing Systems Inc.”
   b. ADD paragraph 2.3.A.f as follows: “i. Metal Roofing Systems Inc.”
4. **ADD –** Section 07 42 93 – Soffit Panels
   a. ADD paragraph 2.1.F as follows: “F. Source Limitations: Provide products frame same manufacturer submitted for work in Section 07 42 13.13.”
5. REVISE – Section 09 65 19
   a. **REVISE** – paragraph 2.1.A.4.a – REVISE to read as follows “Armstrong, Style – Standard Excelon Imperial Textures (Basis of Design) VCT – 8 – Premium Excelon Textured, **Diamond 10 Topcoat”**
   b. **ADD** – paragraph 2.1.A.7 - **Custom waterjet cutting of VCT as required for Commons area pattern shall be by BrydgeWorks, located in Harrisonburg, VA or other provider with experience in similar work and recommended by VCT manufacturer.**
6. **ADD –** Section 09 65 66 – Resilient Athletic Flooring
   a. **ADD –** ecore RX Commercial Flooring is an approved manufacturer
7. **ADD –** Section 10 14 19 – Dimensional Letter Signage
8. **REVISE –** Section 11 61 43 – Stage Curtains
   a. REMOVE subparagraphs 2.7.A.2 and 2.7.A.3 and renumber following subparagraph.
   b. REMOVE paragraph 2.7.D and renumber following paragraphs.
   c. REMOVE subparagraphs 2.8.A.2 and 2.8.A.3 and renumber following subparagraph.
   d. REMOVE paragraph 2.8.B and renumber following paragraphs.
   e. REMOVE paragraph 3.4.E.3.
   f. REVISE paragraph 3.5.A to read as follows: “Track Hung: Secure curtains to track carriers with snap or S-hooks.”
   g. REVISE paragraph 3.5.B to read as follows; “Batten Hung: Secure curtains to pipe battens with S-hooks or ties.”
   h. REVISE paragraph 3.8.A.7 to read as follows: Bottom Weights: Proof coil chain or segmented weights.”
   i. REVISE paragraph 3.8.B.8 to read as follows: “Track Shape: As indicated on Drawings.”
9. **REVISE –** Section 13 34 13.13 – Greenhouses
   a. **REVISE –** paragraph 1.09.A – revise warranty duration from one (1) year to **two (2) years.**
10. **ADD –** Section 32 30 10 – Exterior Modular Playground Equipment

B. CIVIL DRAWINGS

1. **REVISE – C-0 – REVISE** per DUSWM comments and RFI Responses
2. **REVISE – C-2A – REVISE** per DUSWM comments and RFI Responses
3. **REVISE – C-2B – REVISE** per DUSWM comments and RFI Responses
4. **REVISE – C-2C – REVISE** per DUSWM comments and RFI Responses
5. **REVISE – C-2D – REVISE** per DUSWM comments and RFI Responses
6. **REVISE – C-2E – REVISE** per DUSWM comments and RFI Responses
7. **REVISE – C-2H – REVISE** per DUSWM comments and RFI Responses
8. **REVISE – C-3A – REVISE** per DUSWM comments and RFI Responses
9. **REVISE – C-3B – REVISE** per DUSWM comments and RFI Responses
10. **REVISE – C-3C – REVISE** per DUSWM comments and RFI Responses
11. **REVISE – C-3D – REVISE** per DUSWM comments and RFI Responses
12. **REVISE – C-3E – REVISE** per DUSWM comments and RFI Responses
13. **REVISE – C-3F – REVISE** per DUSWM comments and RFI Responses
14. **REVISE – C-3J – REVISE** per DUSWM comments and RFI Responses
15. **REVISE – C-3K – REVISE** per DUSWM comments and RFI Responses
16. **REVISE – C-3L – REVISE** per DUSWM comments and RFI Responses
17. **REVISE – C-3M – REVISE** per DUSWM comments and RFI Responses
18. **REVISE – C-3U – REVISE** per DUSWM comments and RFI Responses
19. **REVISE – C-3V – REVISE** per DUSWM comments and RFI Responses
20. **REVISE – C-4A – REVISE** per DUSWM comments and RFI Responses
21. **REVISE – C-4B – REVISE** per DUSWM comments and RFI Responses
22. **REVISE – C-4C – REVISE** per DUSWM comments and RFI Responses
23. **REVISE – C-4D – REVISE** per DUSWM comments and RFI Responses
24. **REVISE – C-4E – REVISE** per DUSWM comments and RFI Responses
25. **REVISE – C-4F – REVISE** per DUSWM comments and RFI Responses
26. **REVISE – C-4G – REVISE** per DUSWM comments and RFI Responses
27. **REVISE – C-4N – REVISE** per DUSWM comments and RFI Responses
28. **REVISE – C-4P – REVISE** per DUSWM comments and RFI Responses
29. **REVISE – C-4AA – REVISE** per DUSWM comments and RFI Responses
30. **REVISE – C-4AB – REVISE** per DUSWM comments and RFI Responses
31. **REVISE – C-4AC – REVISE** per DUSWM comments and RFI Responses
32. **REVISE – C-4AD – REVISE** per DUSWM comments and RFI Responses
33. **REVISE – C-4AE – REVISE** per DUSWM comments and RFI Responses
34. **REVISE – C-4AF – REVISE** per DUSWM comments and RFI Responses
35. **REVISE – C-4AG – REVISE** per DUSWM comments and RFI Responses
36. **REVISE – L2.4 - REVISE** layout of Step Up Decking and Bridge
37. **REVISE – L2.5 – REVISE** detail for Step Up Decking and notes at Bridge
38. **REVISE – L-2.6 – REVISE** details for Bridge and Step Up Decking and Memorial Garden

C. STRUCTURAL DRAWINGS

1. **REVISE – S101B –** Include lintel markings at Dining 200 per RFI response.
2. **REVISE – S102B –** Include lintel markings at Dining 200 per RFI response.

D. ARCHITECTURAL DRAWINGS

1. **REVISE – A101B – REVISE** at Aquatics 400, SF-15 to **CW-7**
2. **REVISE – A101D – REVISE** at Vestibule 025, SF-3 to **SF-3A**
3. **ADD – A806 – ADD** 1 Baby Changing Station in each of the Parks and Rec Toilets (911 and 912). If Alternate #1 is not accepted add one Baby Changing Station in each of the Gymnasium Toilets (902 and 903)

4. **REVISE – A402 – REVISE** top of stair 8" to accommodate a concrete curb exiting to the penthouse floor elevation. See structural drawings for curb details.
5. **ADD – A403 – ADD** note for thru-wall flashing where coping intersects wall.
6. **REVISE – A403 – REVISE** details 5, 6 and 7 to show concrete curb around penthouse perimeter to match structural drawings.
7. **ADD – A510 –** Detail sheet missing from Bid Set
8. **CLARIFY – A103** – Additional detail references
9. **ADD/CLARIFY – A521 THROUGH A524 –** Roof Detail Sections
10. **REVISE – A504 –** Revise detail 2/A504 to match overall floor plan.
11. **ADD – A602 AND A603 –** Section callouts for Curtain Wall details
12. **REVISE – A605 –** Details to match wall sections
13. **ADD – A608 –** Curtain Wall and Storefront Details
14. **REVISE – A801 –** Door Hardware for Alternate #2

E. POOL DRAWINGS

1. **CLARIFY – SP-0 –** Equipment Charts in response to Permit Comments
2. **REVISE – SP-1 –** Detail 2, location of sumpless suction outlet in response to Permit Comments
3. **REVISE – SP-2 –** Details in response to Permit Comments
4. **REVISE – SP-3 –** Details in response to Permit Comments
5. **REVISE – SP-4 –** Details in response to Permit Comments
6. **REVISE – SP-5 –** Details in response to Permit Comments

F. ELECTRICAL DRAWINGS

1. **REVISE** - E001 – Elect. Legend, Abbreviations and Conventions
    1. Definition for CK4A as indicated.
2. **ADD** - E004 – Site Plan – Electrical
    1. Locations of generator and utility transformer (flip from previous locations).
    2. Utility and generator ductbank feed to fire pump.
    3. Conduits for future EV charging stations as indicated.
3. **ADD** - E101A – First Floor Plan – Area A – Power
    1. Drawing Notes 6, 7, 8, 9 as indicated on sheet.
    2. Power for door latch/strike at vestibule doors, entrance/exit doors as indicated. Refer to drawing for additional notes.
    3. Receptacles in classrooms as indicated to serve undercabinet refrigerators and additional plug loads.
    4. Switched receptacles as indicated in select offices, controlled via CK4A.
    5. Two (2) ceiling heaters, CH-1 & CH-2, to Toilet 201 and Storage 203, respectively.
4. **ADD** – E101B – FIRST FLOOR PLAN – AREA B – POWER
    1. Drawing Notes 2, 3, 4 and General Notes #4 as indicated on sheet.
    2. Switched receptacles as indicated in select offices, controlled via CK4A.
    3. Power for door latch/strike at vestibule doors, entrance/exit doors as indicated. Refer to drawing for additional notes.
    4. Receptacles as indicated for additional lifts, and plug loads.
    5. One (1) wall heater, WH-2, to Cust 312.
    6. 3P-100A-NF/SS (NEMA 3R ENCLOSURE) for dryer located in Laundry 404, and connect to Panel RB (circuit RB-67,69,71). Dedicated outlet to washer, and connect to Panel RB (circuit RB-65).
5. **ADD** – E101C – FIRST FLOOR PLAN – AREA C – POWER
    1. Drawing Notes 5, 6, 7, 8 as indicated on sheet.
    2. Switched receptacles as indicated in select offices, controlled via CK4A.
    3. Receptacles in classrooms as indicated to serve undercabinet refrigerators and additional plug loads.

4. Power for door latch/strike at vestibule doors, entrance/exit doors as indicated. Refer to drawing for additional notes
5. One (1) wall heater, WH-3, to Cust 702.
6. One (1) electrical heater, EUH-3 to Table Storage 501.
7. NEMA 6-50R associated with Kiln, located in Storage & Kiln 709A, connect to Panel RD (circuit RD-56,58,60). One (1) duplex receptacle adjacent to Kiln for downdraft fan, connect to Panel RD (circuit RD-20).

6. **ADD** – E101D – FIRST FLOOR PLAN – AREA D – POWER
    1. Drawing Notes 4, 5, 6 as indicated on sheet.
    2. Switched receptacles as indicated in select offices, controlled via CK4A.
    3. Power for door latch/strike at vestibule doors, entrance/exit doors as indicated. Refer to drawing for additional notes
    4. Power to sensory room as indicated.
7. **ADD** – E103 – ROOF PLAN
    1. General notes 1, 2 as indicated on drawing.
    2. Maintenance receptacles as indicated.
8. **ADD** – E301A – FIRST FLOOR PLAN – AREA A – FIRE ALARM
    1. Combination smoke dampers as indicated.
9. **ADD** – E301C – FIRST FLOOR PLAN – AREA C – FIRE ALARM
    1. Combination smoke dampers as indicated.
    2. Junction box, to power Honeywell IPGSM in MDF.
    3. Carbon monoxide detector in Mechanical 608.
10. **ADD** – E302 – PENTHOUSES – FIRE ALARM
    1. Carbon Monoxide and duct detectors with remote tests as indicated.
11. **ADD** – E603 – ELECTRICAL DETAILS
    1. Details for mounting equipment on roof and for conduits through roof deck.
12. **ADD** – E701 – PANELBOARD SCHEDULES
    1. Panel CA, CC sensory circuits as indicated.
13. **REVISE** – E702 – PANELBOARD SCHEDULES
    1. Panel E1RD to a 30-pole, 10 kAIC, add generator circuits as indicated.
    2. Panel RD, provide circuit breaker sizing and wiring for Kiln as indicated, provide additional spare circuit breakers as indicated.
14. **REVISE** – E705 – PANELBOARD SCHEDULES
    1. Panel RB, provide circuit breaker sizing and wiring for washer and dryer as indicated.
15. **ADD** – E801 – ADD ALTERNATE No. 2 – SPECIALIZED ED
    1. Part plan of sensory room as indicated.
16. **ADD** – E805 – ADD ALTERNATE No. 1 – PARKS AND REC
    1. General Notes 1 – 4, receptacles in Parks and Rec addition as indicated.
    2. One (1) wall heater, WH-4, to Cust 909.
    3. Circuiting to reflect base bid circuiting of receptacles. Previous circuit shall become spares

- END OF ADDENDUM #5 -

SECTION 10 14 19
DIMENSIONAL LETTER SIGNAGE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Cast dimensional characters.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For signs.

1. Include fabrication and installation details and attachments to other work.
2. Show sign mounting heights, locations of supplementary supports to be provided by other installers, and accessories.
3. Show message list, typestyles, graphic elements, and layout for each sign at least 1/2" = 1’-0” scale.

C. Samples for Initial Selection: For each type of sign assembly, exposed component, and exposed finish.

1. Include representative Samples of available typestyles and graphic symbols.

D. Samples for Verification: For each type of sign assembly showing all components and with the required finish(es), in manufacturer's standard size unless otherwise indicated and as follows:

1. Dimensional Characters: Full-size Sample of each type and size of dimensional character.
2. Full-size Samples, if approved, will be returned to Contractor for use in the Project.

1.4 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Deterioration of finishes beyond normal weathering.

b. Separation or delamination of sheet materials and components.

2. Warranty Period: Five (5) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 DIMENSIONAL CHARACTERS

A. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. A.R.K. Ramos.
b. ACE Sign Systems, Inc.
c. APCO Graphics, Inc.
d. ASI Sign Systems, Inc.
e. Gemini Incorporated.
f. Impact Signs.
g. Inpro Corporation.

2. Character Material: Cast aluminum.
3. Character Height: As indicated on Drawings.
4. Thickness: Manufacturer's standard for size of character, but not less than 1 inch for 6 inch high letters, 1-1/2 inches for 12 inch high letters, and 2-1/2 inches for 24 inch high letters.
5. Finishes: Integral Aluminum Finish: Clear anodized.
6. Mounting: Projecting studs providing 1/4 inch offset from face of wall.
7. Typeface: Arial.

2.2 DIMENSIONAL CHARACTER MATERIALS

A. Aluminum Castings: ASTM B26/B26M, alloy and temper recommended by sign manufacturer for casting process used and for type of use and finish indicated.

2.3 ACCESSORIES

A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signs, noncorrosive and compatible with each material joined, and complying with the following:

1. Use concealed fasteners and anchors, unless indicated to be exposed.
2. For exterior exposure, furnish stainless-steel devices unless otherwise indicated.
3. Sign Mounting Fasteners:

a. Projecting Studs: Threaded studs with sleeve spacer, welded or brazed to back of sign material, screwed into back of sign assembly, or screwed into tapped lugs cast integrally into back of cast sign material, unless otherwise indicated.

B. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.

2.4 FABRICATION

A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.

1. Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.
2. Internally brace dimensional characters for stability, to meet structural performance loading without oil-canning or other surface deformation, and for securing fasteners.
3. Provide rabbets, lugs, and tabs necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners.
4. Castings: Fabricate castings free of warp, cracks, blowholes, pits, scale, sand holes, and other defects that impair appearance or strength. Grind, wire brush, sandblast, and buff castings to remove seams, gate marks, casting flash, and other casting marks before finishing.

2.5 GENERAL FINISH REQUIREMENTS

A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

C. Directional Finishes: Run grain with long dimension of each piece and perpendicular to long dimension of finished trim or border surface unless otherwise indicated.

D. Organic, Anodic, and Chemically Produced Finishes: Apply to formed metal after fabrication but before applying contrasting polished finishes on raised features unless otherwise indicated.

2.6 ALUMINUM FINISHES

A. Clear Anodic Finish: AAMA 611:

1. Exterior: Class I, 0.018 mm or thicker.
2. Interior: Class II, 0.010 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.

B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.

1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
2. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
3. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

B. Mounting Methods:

1. Projecting Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.

a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place spacers on studs, place sign in position, and push until spacers are pinched between sign and substrate, embedding the stud ends in holes. Temporarily support sign in position until adhesive fully sets.
b. Thin or Hollow Surfaces: Place spacers on studs, place sign in position with spacers pinched between sign and substrate, and install washers and nuts on stud ends projecting through opposite side of surface, and tighten.

3.3 ADJUSTING AND CLEANING

A. Remove and replace damaged or deformed characters and signs that do not comply with specified requirements. Replace characters with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.

B. Remove temporary protective coverings and strippable films as signs are installed.

C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 10 14 19

SECTION 32 30 10
EXTERIOR BUILDING MODULAR PLAYGROUND EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of contract, including General Conditions and Supplementary Conditions and Division 1 Specification Sections, apply to the Work of this Section.

1.2 RELATED WORK

A. Section 31 20 00 "Earthmoving”

1.3 DESCRIPTION OF WORK

A. This Section shall be used as a standard of quality for equipment. Suppliers shall design a play equipment layout to meet the minimum parameters outlined herein.

B. Provide and install modular playground structure, complete with all play components, fasteners, supports and footings, freestanding play elements, and ground cover. Locate in area indicated on Drawings between the Elementary (room numbers beginning with “E”) and Middle School Alternate #4 classroom wings. Playscape area is approximately 40’x60’. Provide safety surfacing and edging in profile and extent as indicated.

1.4 QUALITY ASSURANCE

A. Safety Requirements: Design playground components to avoid snagging of clothing and entrapment of hands, arms, or other body parts. Equipment shall conform to the following:

1. US Consumer Product Safety Commission (US CPSC) Guidelines: Handbook for Public Playground Safety.

B. Single Source Responsibility: All playground components and accessories shall be supplied by one manufacturer.

C. Erection of the equipment shall be performed by an installer authorized and approved by the Manufacturer.

1.5 SUBMITTALS

A. Product Data: Submit Manufacturer's technical data for materials, including catalog information for major components, anchors, fasteners and other accessories along with information on finishes. Provide Manufacturer's standard installation procedures.

1. Submit location of product manufacture and of extraction/recovery of primary raw materials.
2. Submit recycled-content data, designating percentages of post-consumer and post-industrial recycled material.

B. Shop Drawings: Submit shop drawings indicating layout of specified components, details for anchoring and fastening of individual components, details of support and foundations,

and any other fabrication or erection information not fully described by the product literature.

1.6 WARRANTIES

A. Provide Manufacturer's standard warranty on main support components to cover structural failure due to corrosion, deterioration or defects in workmanship.

B. Provide Manufacturer's standard one (1) year warranty covering defects in materials and workmanship for playground components except as noted below:

1. Structural (Main Components): ten (10) years
2. Plastic: five (5) years

PART 2 - PRODUCTS

2.1 APPROVED MANUFACTURERS

A. Game Time c/o West Recreation
   a. Vendor ID # 6694
   b. P.O. Box 487, Queenstown, Maryland 21658
   c. 800.233.0529
B. Max Play Fit, LLC
   a. Vendor ID # 15341
   b. 1945 Melson Way, Hockessin, Delaware 19707
   c. 800.574.3033
C. Playground Specialists, Inc.
   a. Vendor ID # 12519
   b. 17352 North Seton Avenue, Emmitsburg, Maryland 21727
   c. 301.271.9234
D. Taylor Sports and Recreation
   a. Vendor ID # 974
   b. P.O. Box 1706, Martinsburg, West Virginia 25402
   c. 304.263.7857

2.2 MATERIALS

A. General Design Requirements

1. Straight Slides (including pipe slides) without transition sections at the base of the slide shall not exceed 30 degrees of incline. Slide "fall zones" shall comply with US CPSC guidelines.
2. Provide adequate "no encroachment zone" around entire perimeter of playground area.
3. Overall height of equipment shall not exceed 6'-6”.
4. Fastening, Fabrication and Finish details: Protruding bolts, sharp or jagged edges, non-capped open-ended pipes or other openings shall not be acceptable. Piping or other supports shall not extend more than 2" beyond a locking collar.
5. Foundations: The minimum specifications for the diameter, depth and excavation of footings shall be as follows:
   a. Poles up to and including 6" in diameter: 12" in diameter and 3 feet in depth.

b. Poles exceeding 6" in diameter: Diameter shall be twice the pole diameter and 3 feet in depth.

B. Playscape Surfacing: Poured-in-place safety surfacing as specified in Section 32 30 30 Playground Protective Surfacing. Two colors of surfacing will be selected for use.

C. Edging: Provide concrete sidewalk or curb around entire perimeter.

D. Support Posts: 5" O. D., 11 gauge minimum galvanized steel with plastic coated end caps.

E. Fasteners: Provide self-locking nuts or other devices to prevent loosening of assemblies. All fasteners shall be galvanized, cadmium plated, or otherwise treated to prevent rusting.

F. Metal Decks: Perforated, non-skid.

G. Spiral Slide: Polyethylene composition with the following features:

1. Center Tube: 3 1/2" O. D. 11 gauge minimum galvanized steel.
2. Front Leg: 1 1/2" O. D. 11 gauge minimum galvanized steel.
3. Slide shall rest flush on the upper platform.

H. Double Wide Plastic Slide: Single piece, UV stabilized molded polyethylene with average thickness of 5/16" and integral color. Sides shall be 8" high above the slide surface; center divider shall not have gaps. Width of slide bedway shall be 16" minimum.

I. Recycled-plastic: Recycled HDPE or other recycled plastic components may be used if approved in advance by FCPS.

J. Listed manufacturers shall design the playscape including additional products and components to comply with the following minimum requirements and all applicable codes and standards:

Recommended Educational Specifications of Playscapes for Children with Special Needs

Overview

Play is an essential component of a comprehensive school physical activity program and of the total educational experience for elementary-aged students and/or students with an intellectual level of ages 1-12. Playscapes, including playground apparatus, provide a safe setting for play to occur. These facilities are also an essential extension to the school's physical education program.

Physical activity can provide significant benefits for children in all developmental stages of life. This includes children with special needs who have a tendency to be less physically active and are at higher risk for complications associated with inactivity.

The benefits of regular physical activity for children with special needs can range from physical, emotional and social. Daily exercise and physical activity often demonstrate strength gains, increased flexibility, improved bone health, and better endurance and cardiovascular fitness. These gains are often more pronounced in children with special needs.

Physical activity for children with movement disabilities is important in maintenance of mobility throughout the aging process. With enhanced physical health, children are better able to fight problems such as obesity and the associated health complications that may follow.

Physical activity can also improve general mood and wellness. Regular fitness can be linked to improved self-esteem, social awareness, and self-confidence, which aid in empowering the lives of children with special needs.

Specifically, autism is a developmental disorder that affects individuals' socialization and communication, according to the American Psychiatric Association. For students with autism-spectrum disorders, the need for play, sensory input, and socialization is particularly great. Students with autism need a playscape that specifically addresses their needs.

Goal

Students enrolled at the Rock Creek School will derive physical, social, cognitive, sensory, and emotional benefits through a playscape that consists of a diverse and wide array of playing experiences. This playscape will include a playground apparatus and freestanding playground elements. The playscape design will account for a wide variety of special need conditions and health needs that are representative of the Rock Creek learning community at large. These experiences will satisfy the needs often associated with free play (recess), the instructional program, and physical education class.

Number of Participants

Approximately 25 students, some with autism-spectrum disorders, who range in age from 3-21 years of age will be using the designated space at one time. Often, these students will be working with adult instructional assistants in a 1:1 to a 1:3 ratio.

General Characteristics of Autistic Students

The general characteristics of autistic students will need to be considered in the design of the playscape. While there is much variation among individuals with autism, in general, students with autism have:

- A lack of expressive communication skills
- Difficulty with receptive processing of verbal language
- Sensory integration problems related to depth perception and vestibular stimulation
- A need for visual organization and visually defined boundaries
- Diminished or absent response to potential hazards
- Low or absent motor planning skills
- Low muscle strength
- Low hand-eye coordination
- Short time on task
- Lack of awareness of self-regulation skills (for example, lack of awareness regarding overheating and overexertion)
- A need for co-active assistance from teachers or instructional assistants

General Design Considerations:

1. There shall be an element of flow and continuous movement among all of the elements of the playscape. This element of flow shall allow students to develop their cardio-respiratory endurance as well as their muscular strength and endurance, flexibility, coordination, and balance as they move through the playscape.

2. Activity areas are designed so that students can be physically active alone or in groups. A range of individual and cooperative activities shall be in place so that students can self-select activities that match their abilities and interests. Spaces shall encourage social interaction.

3. The color scheme shall be bright and inviting. This is in direct contrast to the muted classroom environment; through color, the signal of an invitation to play occurs.

4. Supervision of all play components is a priority and shall be considered in their placement.

5. Playground apparatus shall have a maximum deck height of four feet.

6. Playground apparatus shall be designed to give staff members space to stand on the ground and provide hands-on assistance to students while on the unit.

7. Care should also be taken to provide as many entrance/exit points as possible along all parts of the unit so that staff have a close and easy descent if it is necessary to leave the unit with a student.

8. A variety of heights and activities shall be placed to allow older and younger students to enter and exit according to their individual abilities.

9. Components related to vestibular stimulation (such as swinging, swaying, and rocking components) as well as play panels shall be purposely placed far apart so that they can be used appropriately, but not more often than the other components.

10. A poured-in-place surface shall serve as the foundation for the playscape.

FCPS Minimum Standards for Playground Apparatus Area:
**Many playground apparatus components can incorporate multiple elements.

1. Spinning/ Swinging/ Swiveling Elements
   - There shall be a minimum of 3 swinging/ spinning/ swiveling elements.
   - A traditional “merry-go-round” shall not be used.

2. Climbing and Brachiating Elements
   - A minimum of 2 components shall be provided for climber and overhead component play.
   - At least one of these components shall provide for brachiating (arm-over-arm) skill development. Yet, this component shall be short in nature, as the skill of brachiating utilizes complex motor planning and needs significant strength. Therefore, students will rely on instructional assistance, which is physically taxing for the adult.
   - At least one component will allow students to perform a pull-up/chin-up exercise.
   - Climbing poles (like a “fireman’s pole”) shall not be included.
   - Climbing elements shall not lead to a space where students can “hide” or stay; all climbing elements must lead to another element.

3. Sliding Elements
   - A minimum of 2 slide elements shall be provided.
   - One element shall be a “double” slide where two slides are placed side-by-side for socialization.
   - One slide shall be a spiral slide.
   - No tube slides will be utilized.

4. Balancing and Rocking Elements
   - A minimum of 2 balance activities shall be included.
   - One element shall be a “lily pad” type element (that can also serve as seat/gathering place for students).
   - One element shall be a balance beam placed on springs.
   - No log roll type elements or rope walk type elements (including nets) shall be included.

- No spring rocker riders shall be used.

5. Linking Components and Ramp Elements
   - No minimum requirements are made for linking components. However, linking components shall be considered in all areas that will facilitate the adherence for requirements associated with flow and sequence of the overall design.
   - An accessible ramp must be provided to access a portion of the raised play area.
   - One element shall be a bridge that bounces.
   - No crawl tubes or tunnels shall be used.
   - No net links shall be used.

6. Panel Elements and Ground Level Play Components
   - Pretend play or imaginative play is a very rare, high level skill for autistic students. Panel elements should not necessitate pretend play to be fully utilized.
   - A minimum of three ground-level play components should be provided.
   - One ground level element shall be a talk tube.
   - A minimum of 2 elements shall be auditory/musical in nature. One element shall be musical chimes.
   - A minimum of five interactive play panels shall be included. These play panels shall address a variety of needs, including socialization, manipulation, imaginative play, balance, and/or auditory stimulation.
     - One play panel shall be dynamic and auditory in nature (for example, a rain wheel)
     - One play panel shall have a black and white design that spins
     - One play panel shall have the alphabet with recessed letters so that students can use fine motor skills to trace the letters
     - One play panel shall have a recessed maze that students can use fine motor skills to trace
     - One play panel shall have a steering wheel
   - The space under platforms and decks are places for children to congregate and interact. The roofs provided by this create an enclosed space, and add to its appeal as gathering space. These spaces shall include ground level components; however, supervision of these components shall be considered in their placement.

7. Freestanding elements
   - All freestanding elements shall have some form of shade cover.
   - At least two places will be designed for rest and relaxation. One freestanding element will be a park bench that swings. Another freestanding element will be “buddy bench” that allows two persons, seated, to look at each other.

PART 3 - EXECUTION

3.1 INSPECTION

A. Installer and Owner's Representative shall examine the area and conditions under which the playground equipment will be installed. Do not proceed until all conditions, which would be detrimental to the installation, are corrected.

3.2 INSTALLATION

A. General: Install the playground equipment in accordance with the Manufacturer's recommended procedures and installation sequence. All equipment shall be rigid, straight, plumb and level. Secure all equipment with Manufacturer's fastening devices.

B. Foundations: All support holes shall be filled with concrete to the full-required depth. The top of the concrete shall be 6" below finished grade. All primary supports shall be temporarily supported until concrete has sufficiently cured.

C. Ensure that the top of perimeter concrete walks and curbs are flush with the finished surface of the safety surfacing material.

D. Fasteners: All in-place bolts shall be cut flush with the nut, and peened and filed. Self-locking nuts or other devices must be provided to prevent nut and bolt assemblies from loosening or coming apart.

E. Welds: Ensure that all welds are protected with rust inhibiting paint.

F. Metal Connectors: Secure with pins or spot welding to prevent loosening of the connection.

3.3 CLEAN-UP

A. Remove all debris, excess materials, tools and excess excavation spoils from the project area and dispose of legally.

3.4 WASTE MANAGEMENT

A. Recycle waste materials in accordance with Division 1 “Construction Waste Management” requirements.

- END OF SECTION 32 30 10 -

CAPITAL EQUIPMENT INFORMATIONAL UNIT PRICES
ELEMENTARY SCHOOL PROJECTS

The apparent low bidder will be required within two business days from receipt of a written request provide informational unit prices for the following equipment. This information is requested for state reporting purposes and locally to identify replacement costs. This is not a comprehensive list and all equipment shown may not be provided in contract.

DO NOT SUBMIT THIS INFORMATION ON BID DAY.

DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
015000 - Temporary Facilities and Controls:			
2.2 Contractor Office and Facilities	_____	$_____	$_____
101200 – Display Cases:			
2.3 Display Case Shelves	_____	$_____	$_____
2.4 Display Case Rear Tackable Panels	_____	$_____	$_____
102123 – Cubicle Curtains and Track:			
2.3 Curtains	_____	$_____	$_____
102800 - Toilet, Bath, and Laundry Accessories			
2.3C Robe Hook	_____	$_____	$_____
2.3E Shower Curtain Rod	_____	$_____	$_____
2.3F Shower Curtain and Hooks	_____	$_____	$_____
104416 - Fire Extinguishers:			
2.2 Portable Fire Extinguishers	_____	$_____	$_____
105613 - Metal Storage Shelving:			
2.2 Four-Post Metal Storage Shelving	_____	$_____	$_____
107516 - Ground Set Flagpoles			
2.3A Aluminum Flagpoles	_____	$_____	$_____
108213 - Exterior Grills and Screens			
2.3 Exterior Screens (Roof Equipment Screens)	_____	$_____	$_____
112173 – Commercial Laundry and Dry Cleaning Equipment:			
2.4, B. 30 lb. Commercial Washer	_____	$_____	$_____
2.4, C. 55 lb. Commercial Washer	_____	$_____	$_____
2.5, B. 50 lb. Commercial Dryer	_____	$_____	$_____
2.5, C. 75 lb. Commercial Dryer	_____	$_____	$_____
113013 – Residential Appliances:			
2.3 Electric Range	_____	$_____	$_____
2.4, A. Over-the-range Microwave	_____	$_____	$_____
2.4, B. Built-in Microwave	_____	$_____	$_____
2.6, A. Refrigerator/Freezer (REFR-1)	_____	$_____	$_____
2.6, B. Refrigerator/Freezer (REFR-2)	_____	$_____	$_____
2.6, D. Refrigerator/Freezer (REFR-4)	_____	$_____	$_____
2.7 Icemaker	_____	$_____	$_____
2.8, A. Clothes Washer (CW-1)	_____	$_____	$_____
2.8, C. Clothes Dryer (CD-1)	_____	$_____	$_____
2.8, B, D. Clothes Washer/Dryer (stacking) (CW-4, CD-4)	_____	$_____	$_____

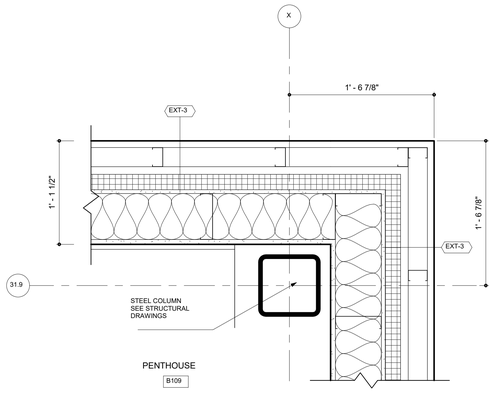
DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
114000 - Food Service Equipment:			
Item #1 Utility Cart, Mobile	_____	$_____	$_____
Item #2 Dunnage Rack	_____	$_____	$_____
Item #3 Shelving	_____	$_____	$_____
Item #4 Can Rack	_____	$_____	$_____
Item #5 Reach-in Refrigerator, Mobile	_____	$_____	$_____
Item #6 Reach-in Freezer, Mobile	_____	$_____	$_____
Item #7 Work Table	_____	$_____	$_____
Item #8 Pan Rack Cart, Mobile	_____	$_____	$_____
Item #11 Fruit Sectionizer	_____	$_____	$_____
Item #12 Work Table	_____	$_____	$_____
Item #13 Blender	_____	$_____	$_____
Item #14 Food Processor	_____	$_____	$_____
Item #15 Combi Oven	_____	$_____	$_____
Item #16 Convection Steamer	_____	$_____	$_____
Item #19 Pass-Thru Refrigerator, Mobile	_____	$_____	$_____
Item #20 Pass-Thru Heated Cabinet, Mobile	_____	$_____	$_____
Item #21 Milk Cooler, Mobile	_____	$_____	$_____
Item #22 Serving Counter	_____	$_____	$_____
Item #22A Hot Food Counter	_____	$_____	$_____
Item #22B Solid Top Counter	_____	$_____	$_____
Item #22C Frost Top Counter	_____	$_____	$_____
Item #22D Cashier Stand	_____	$_____	$_____
Item #30 Pot & Pan Shelving, Mobile	_____	$_____	$_____
Item #33 Shelving	_____	$_____	$_____
115213.19 – Rear Projection Screens:			
2.2 Suspended, Electrically Operated Screen	_____	$_____	$_____
116623 – Gymnasium Equipment:			
2.3 Basketball Equipment – Backboards, Goals, Nets, Safety Pads	_____	$_____	$_____
2.4 Volleyball Equipment	_____	$_____	$_____
2.5 Safety Pads	_____	$_____	$_____
116653 – Gymnasium Dividers:			
2.1 Roll-up Divider System (including 2.4 Curtain)	_____	$_____	$_____
116823 – Exterior Court Athletic Equipment:			
2.2 Basketball Equipment	_____	$_____	$_____
117300 – Patient Care Equipment:			
2.3 Changing Tables	_____	$_____	$_____
119513 – Kilns:			
2.1 Kiln	_____	$_____	$_____
2.2 Kiln Cart	_____	$_____	$_____
122413 – Window Roller Shade Systems:			
2.1 Roller Shades	_____	$_____	$_____

DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
123550 – Media Center Casework			
3.03 SH-5 Closed Base Mobile Shelving Unit, 42”H x 36”W	_____	$_____	$_____
3.03 SH-6 Closed Base Mobile Shelving Unit, 42”H x 72”W	_____	$_____	$_____
3.03 BR-1 Metal Book Return	_____	$_____	$_____
274100 – Audio Visual and Sound Systems			
2.1, D. Gymnasium Sound Equipment:			
1. Equipment Cabinet	_____	$_____	$_____
2. Amplifier	_____	$_____	$_____
3. Feedback Suppressor	_____	$_____	$_____
4. Mic Splitter	_____	$_____	$_____
7. Mixer	_____	$_____	$_____
8. Speakers	_____	$_____	$_____
9. Wireless Mic System	_____	$_____	$_____
10. Assistive Listening	_____	$_____	$_____
11. CD Player	_____	$_____	$_____
16. Power Sequencer	_____	$_____	$_____
18. Wired Microphone	_____	$_____	$_____
19. Microphone Stands	_____	$_____	$_____
2.1, E. Cafeteria Equipment:			
1. Equipment Cabinet	_____	$_____	$_____
2. Amplifier	_____	$_____	$_____
3. Feedback Suppressor	_____	$_____	$_____
4. Mic Splitter	_____	$_____	$_____
6. Mixer	_____	$_____	$_____
7. Wireless Mic System	_____	$_____	$_____
8. Assistive Listening	_____	$_____	$_____
9. CD Player	_____	$_____	$_____
11. Power Sequencer	_____	$_____	$_____
14. Wired Microphone	_____	$_____	$_____
15. Microphone Stands	_____	$_____	$_____
16. Loudspeakers	_____	$_____	$_____
2.1, F. Music Room Equipment:			
1. Equipment Cabinet	_____	$_____	$_____
2. Amplifier	_____	$_____	$_____
3. Feedback Suppressor	_____	$_____	$_____
4. Mic Splitter	_____	$_____	$_____
6. Mixer	_____	$_____	$_____
7. Wireless Mic System	_____	$_____	$_____
8. Assistive Listening	_____	$_____	$_____
9. CD Player	_____	$_____	$_____
11. Power Sequencer	_____	$_____	$_____
13. Wired Microphone	_____	$_____	$_____

14. Microphone Stands	_____	$_____	$_____
15. Loudspeakers	_____	$_____	$_____
323000 – Site and Street Furnishing:			
2.2 Benches	_____	$_____	$_____
Civil Drawings:			
Identify the cost of any site improvements located outside of the property line along W. Frederick St.	_____	$_____	$_____

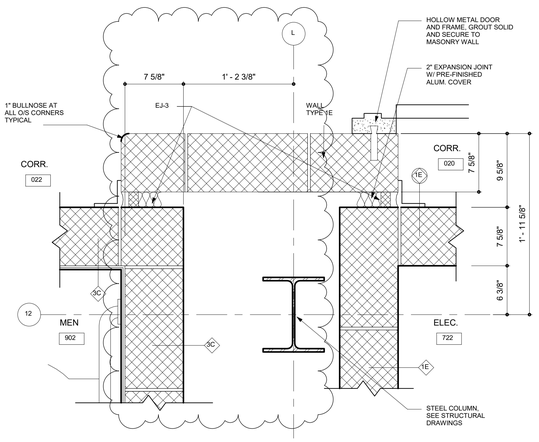
Contractor Name: _____ Project: _____

Date: _____



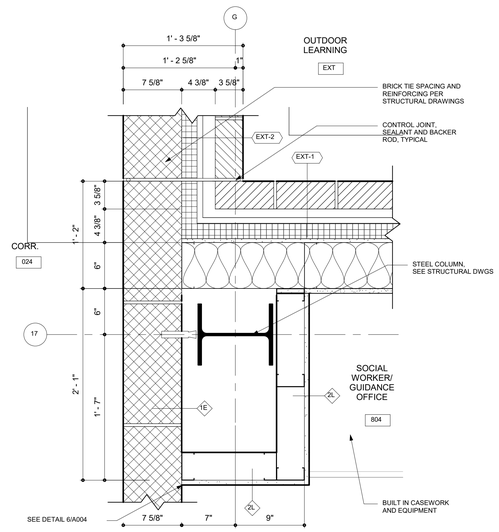
1 PLAN DETAIL AT PENTHOUSE B109

SCALE: 1 1/2" = 1'-0"



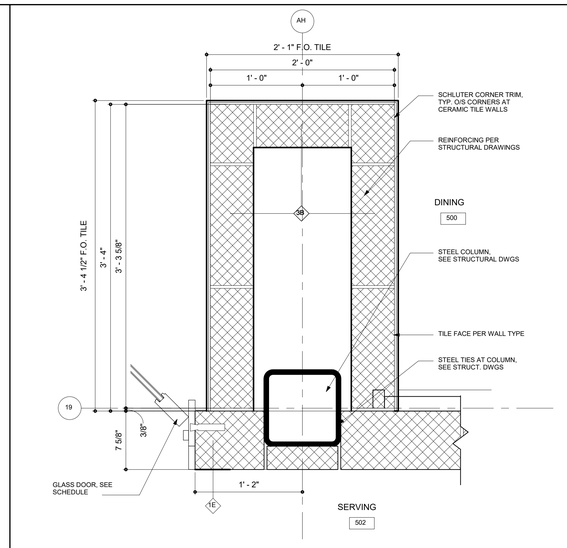
2 PLAN DETAIL AT MEN 902 AND ELEC. 722

SCALE: 1 1/2" = 1'-0"



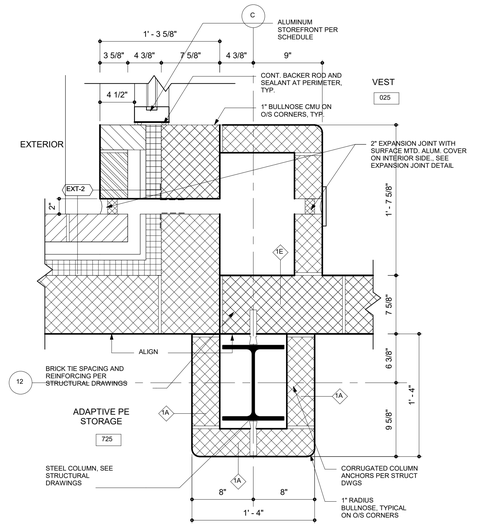
3 PLAN DETAIL AT CORR. 024 AND SOCIAL WORKER/ GUIDANCE OFFICE 804

SCALE: 1 1/2" = 1'-0"



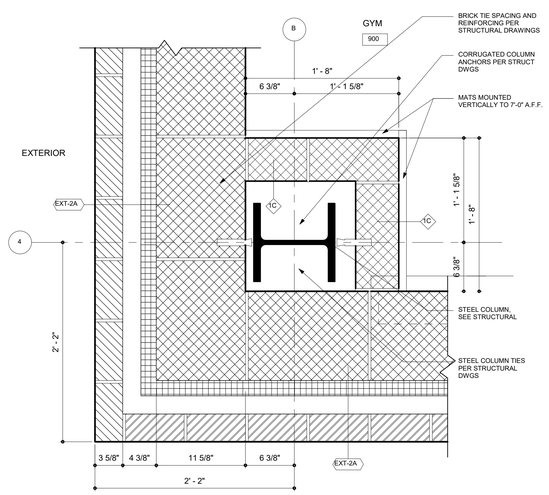
4 PLAN DETAIL AT EMBEDDED COLUMN SERVING 502

SCALE: 1 1/2" = 1'-0"



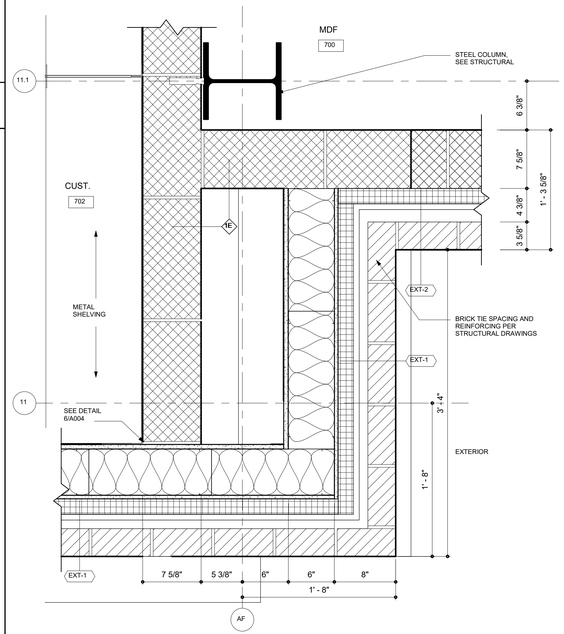
5 PLAN DETAIL AT ADAPTIVE PE STORAGE 725

SCALE: 1 1/2" = 1'-0"



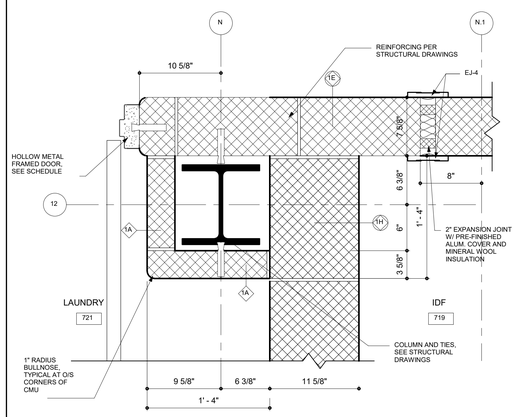
9 PLAN DETAIL AT GYM 900 SOUTH-WEST CORNER

SCALE: 1 1/2" = 1'-0"



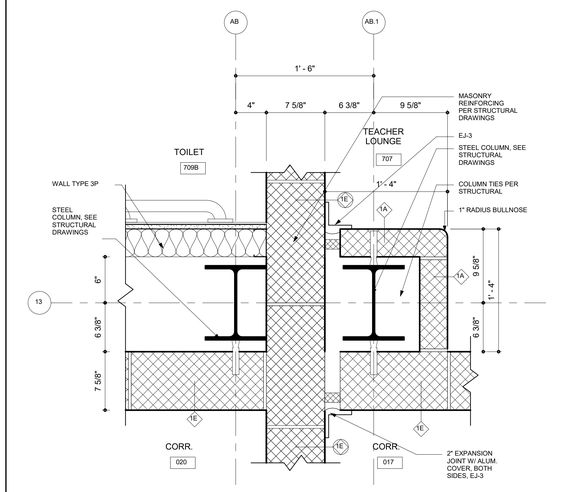
10 PLAN DETAIL AT MDF 700 AND CUST. 702

SCALE: 1 1/2" = 1'-0"



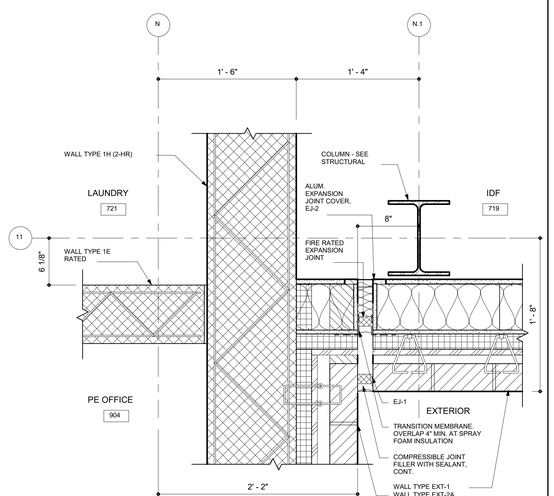
7 PLAN DETAIL AT LAUNDRY 721 AND IDF 719 - NORTH

SCALE: 1 1/2" = 1'-0"



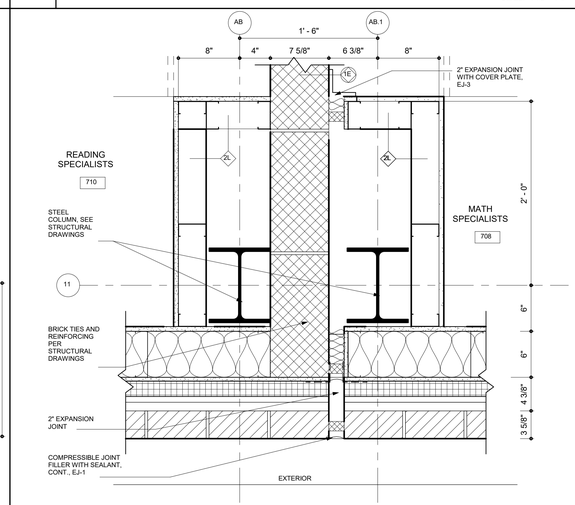
8 PLAN DETAIL AT TOILET 709B AND TEACHER LOUNGE 707

SCALE: 1 1/2" = 1'-0"



11 PLAN DETAIL AT LAUNDRY 721 AND IDF 719 - SOUTH

SCALE: 1 1/2" = 1'-0"



12 PLAN DETAIL AT TYP. COLUMN CHASE ALONG EXPANSION JOINT

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND

LICENSE No.
00000
EXPIRATION DATE
00-XX-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

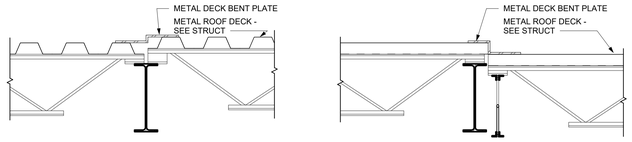
PLAN DETAILS - AREAS C & D AND PENTHOUSE

A503

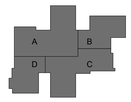
ROOF NOTES AND LEGEND

BUILT UP ROOFING SYSTEM OVER RIGID INSULATION
WALKPADS
AREA OF TAPERED INSULATION
ROOFTOP VENTILATOR
VTR VENT THROUGH ROOF - SEE PLUMB.
C.H. CONDUCTOR HEAD
D.S. DOWNSPOUT
S.B. SPLASHBLOCK
LDR LADDER

1. SLOPE ALL CRICKETS 1/2" / 12" MINIMUM, EXCEPT WHERE REQUIRED TO MAINTAIN MINIMUM 8" ROOFING/FLASHING TURN-UP HEIGHT.
2. TIE DOWNSPOUTS INTO BOOT AT GRADE AND CONNECT TO STORMWATER SYSTEM, UNLESS OTHERWISE NOTED. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
3. PROVIDE CRICKETS AT ALL ROOF TOP EQUIPMENT, FIRE VENTS, EXHAUST FANS, CURBS, ETC. AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE.
4. PROVIDE WALKWAY PADS AROUND MECHANICAL EQUIPMENT, BASE AND TOP OF LADDERS, AND AT DOORS.
5. REFER TO MECHANICAL FOR ROOFTOP EQUIMPENT.
6. REFER ALSO TO A520-SERIES DRAWINGS FOR ROOF DETAILS.
7. DOWNSPOUTS SHALL BE 5"x4" PLAIN RECTANGULAR UNLESS OTHERWISE NOTED.
8. GUTTERS SHALL BE 6"x6" UNLESS OTHERWISE NOTED. STYLE 'B' PER SMACNA FIG. 1.2.
9. REFER TO A102 FOR LOCATION OF MAINTENANCE WALKWAY AT FUTURE AND ALTERNATE PLAN LOCATIONS.
10. PROVIDE METAL ROOF DECK BENT PLATES AT CHANGES IN DECK ELEVATION PER 2/A103.

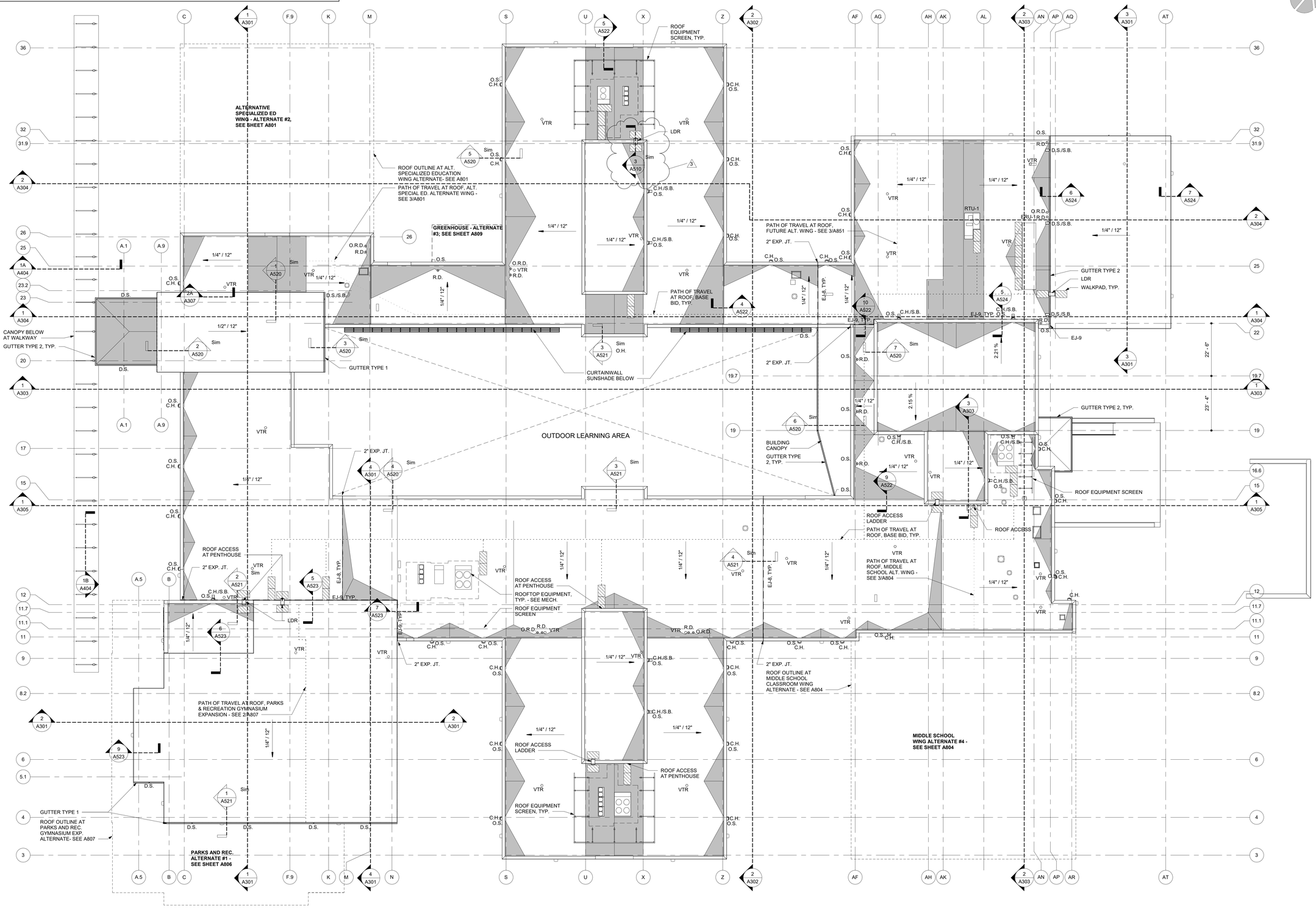


2 ROOF DECK ELEVATION CHANGE DETAIL
SCALE: 3/4" = 1'-0"



KEY PLAN

16' 8' 0' 16'
SCALE : 1/16" = 1'-0"



1 ROOF PLAN
SCALE: 1/16" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

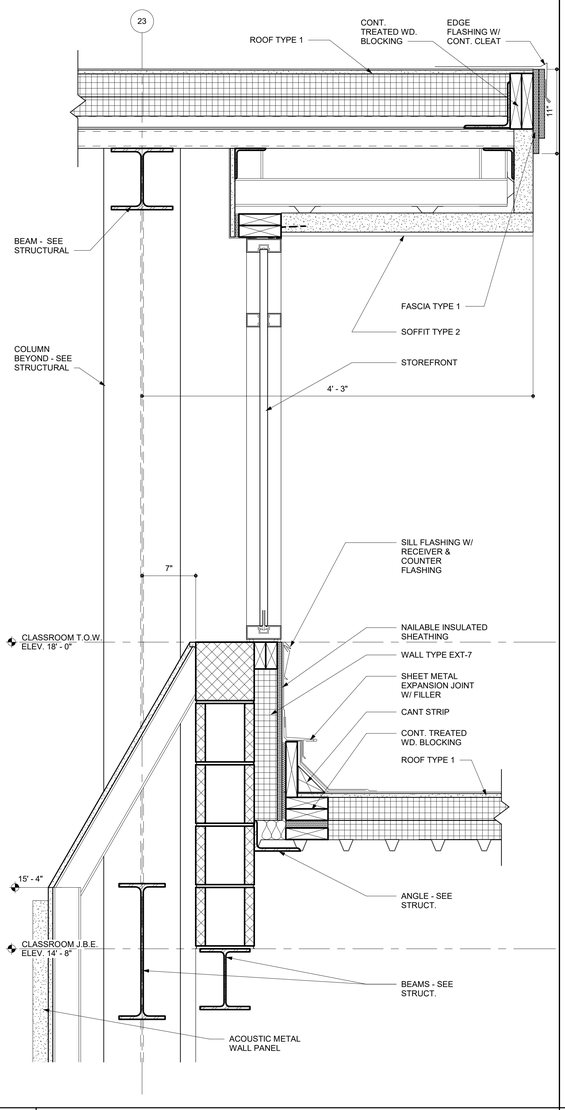
ISSUE

REV	DATE	DESCRIPTION
2	7.25.19	ADDENDUM 04
3	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

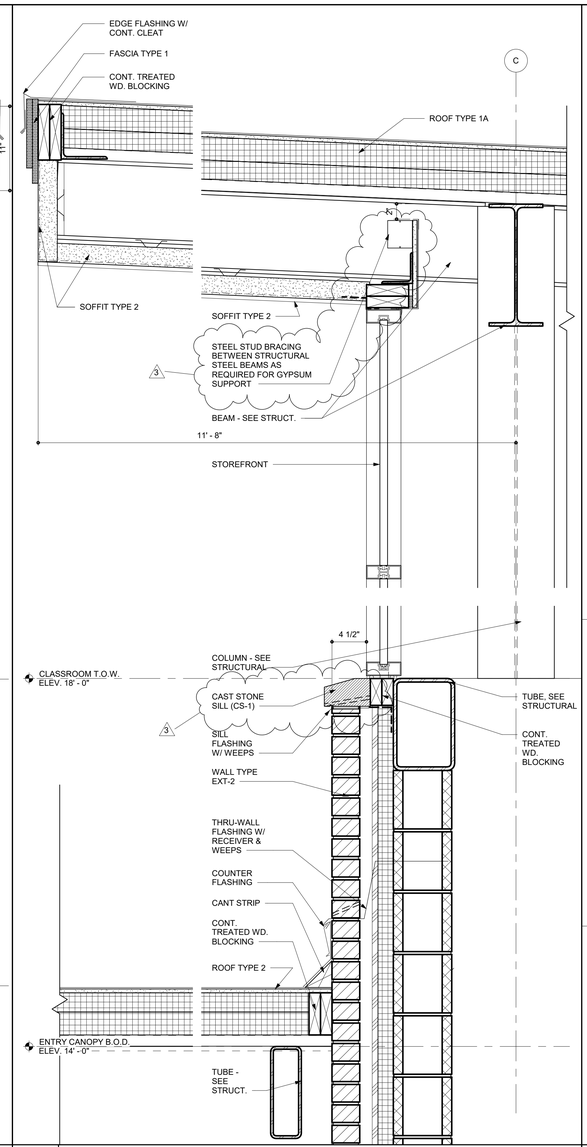
ROOF PLAN

A103



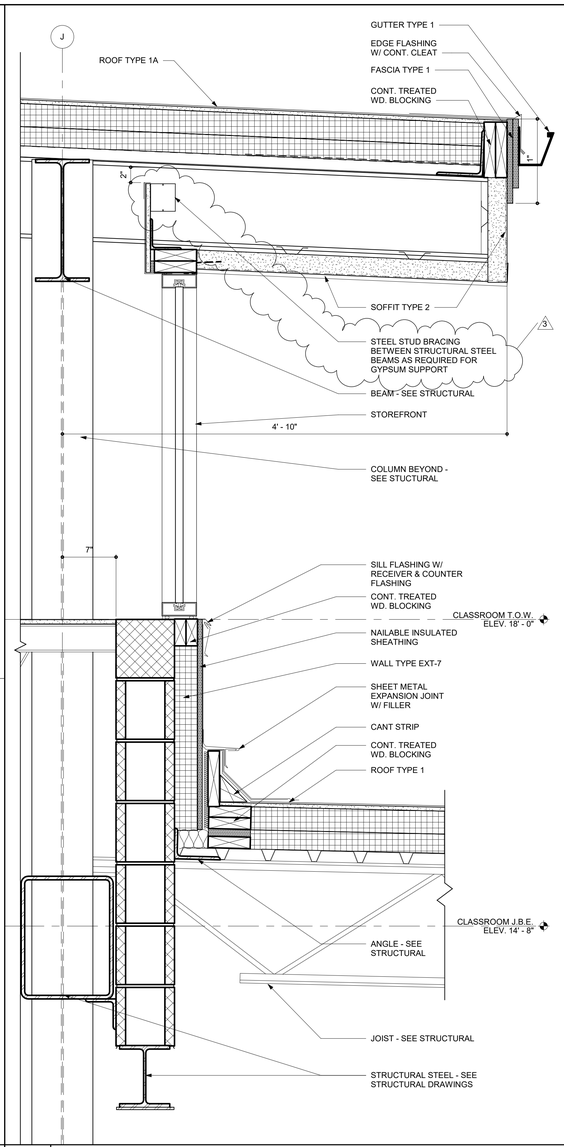
1 ROOF DETAIL AT MAIN ENTRY NORTH SIDE

SCALE: 1 1/2" = 1'-0"



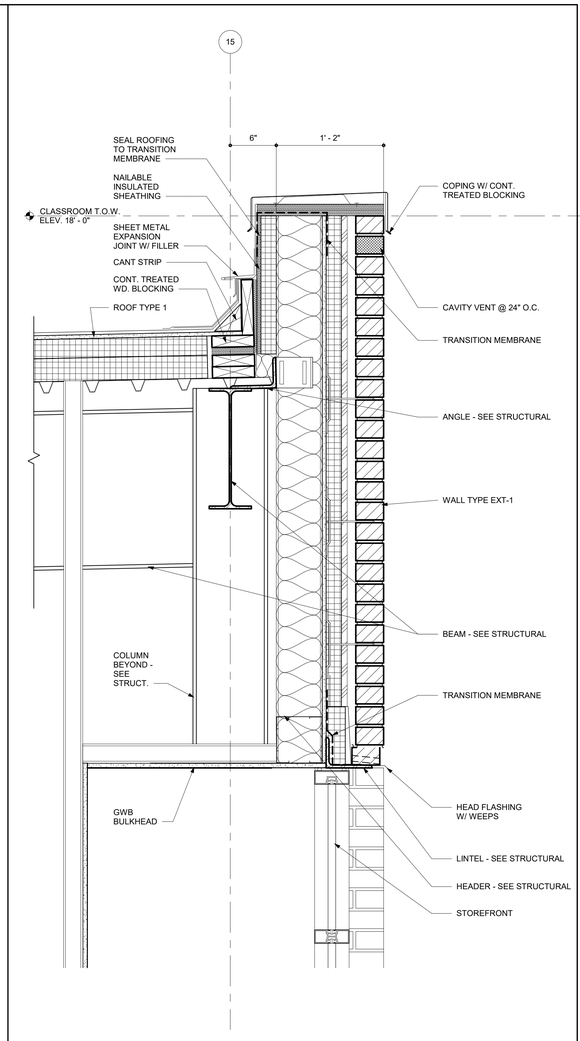
2 ROOF DETAIL @ MAIN ENTRY - WEST OVERHANG

SCALE: 1 1/2" = 1'-0"



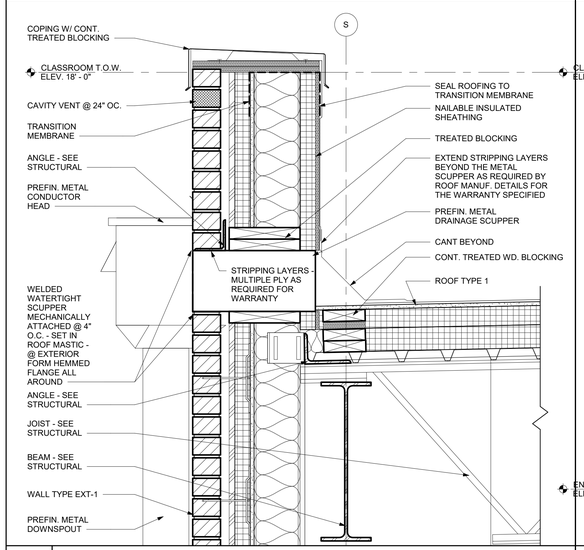
3 ROOF DETAIL @ MAIN ENTRY - EAST OVERHANG @ COMMONS

SCALE: 1 1/2" = 1'-0"



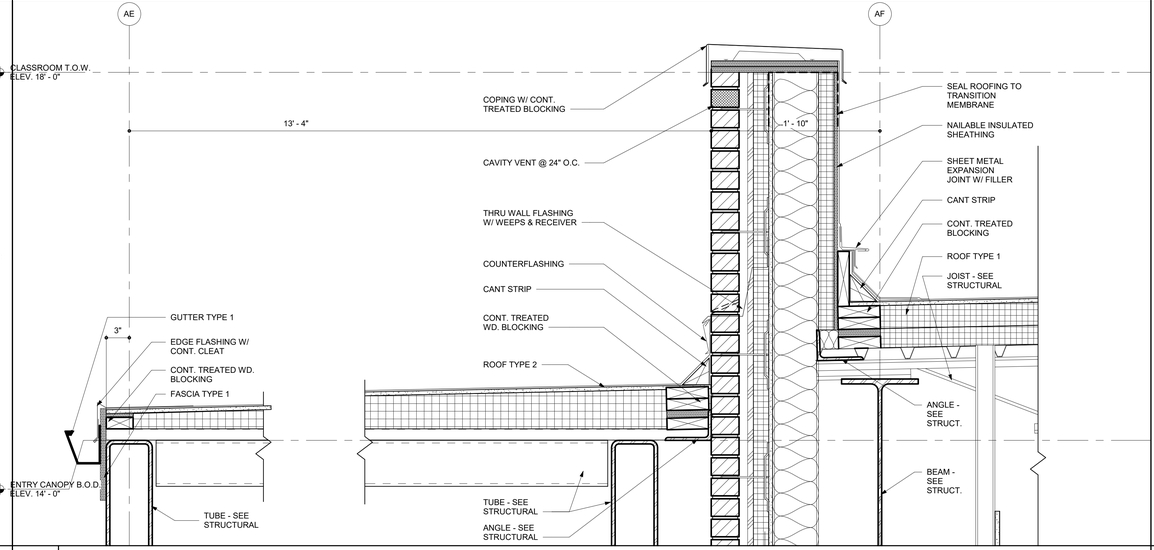
4 ROOF DETAIL @ OT/ PT OFFICE

SCALE: 1 1/2" = 1'-0"



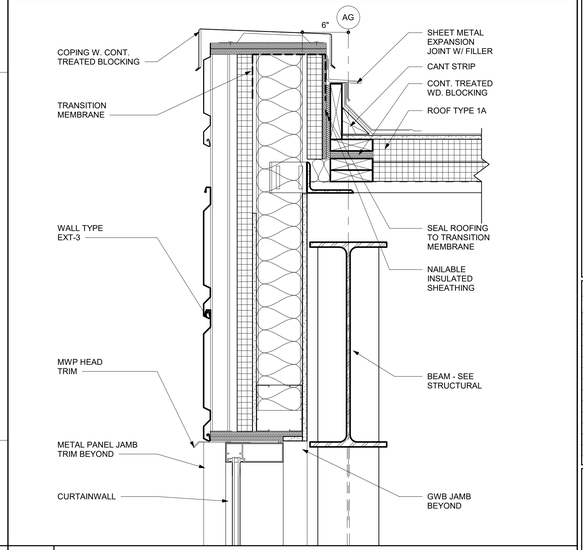
5 ROOF DETAIL @ TYP. CLASSROOM

SCALE: 1 1/2" = 1'-0"



6 ROOF DETAIL @ COURTYARD - EAST WALL

SCALE: 1 1/2" = 1'-0"



7 ROOF DETAIL @ DINING

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No.
00000
EXPIRATION DATE
00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

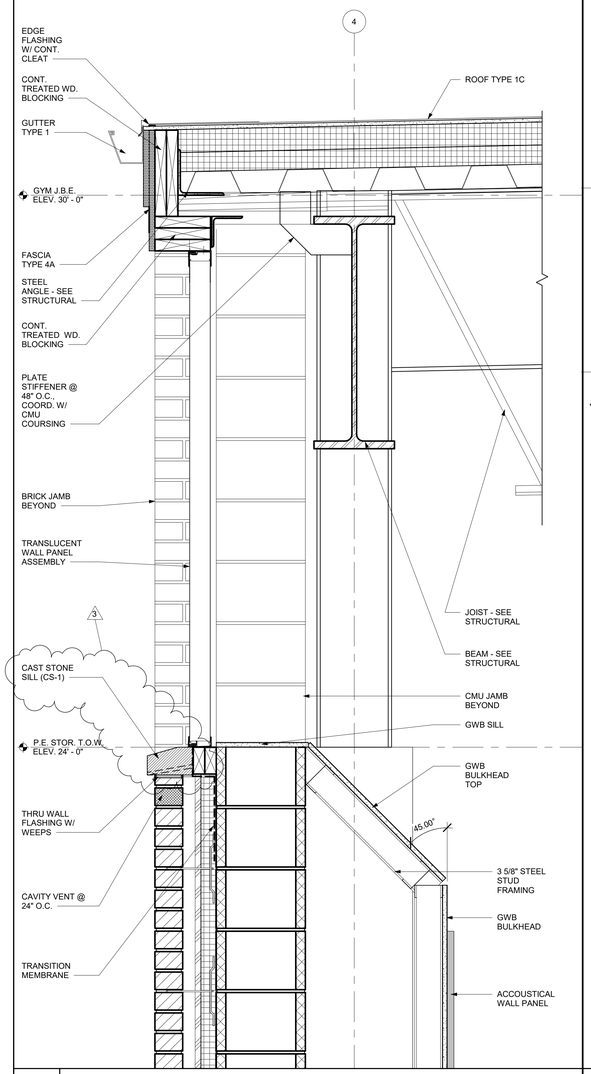
ISSUE

REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

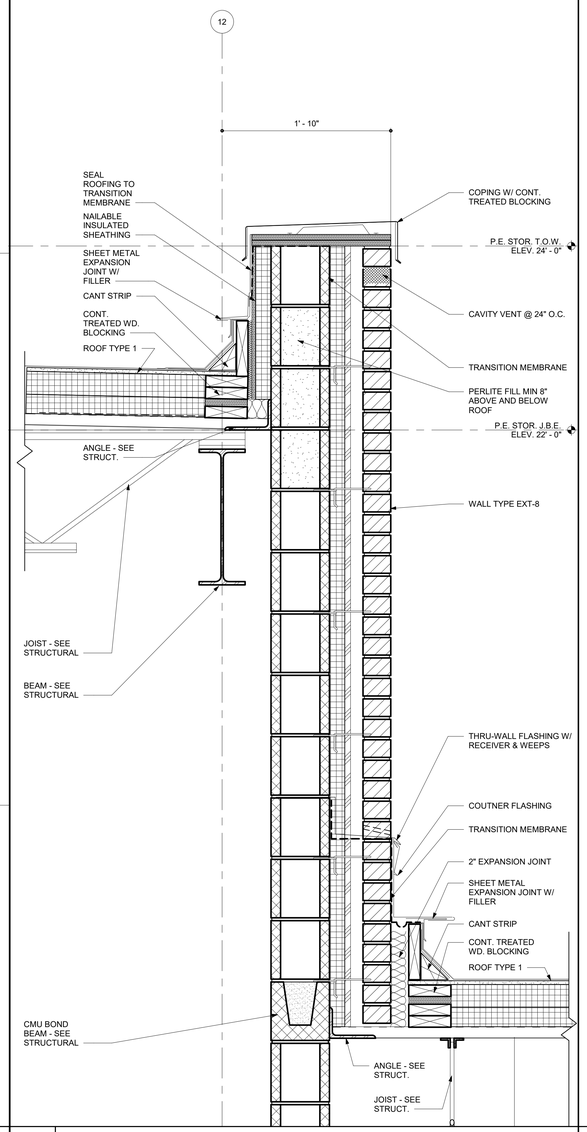
ROOF DETAILS

A520



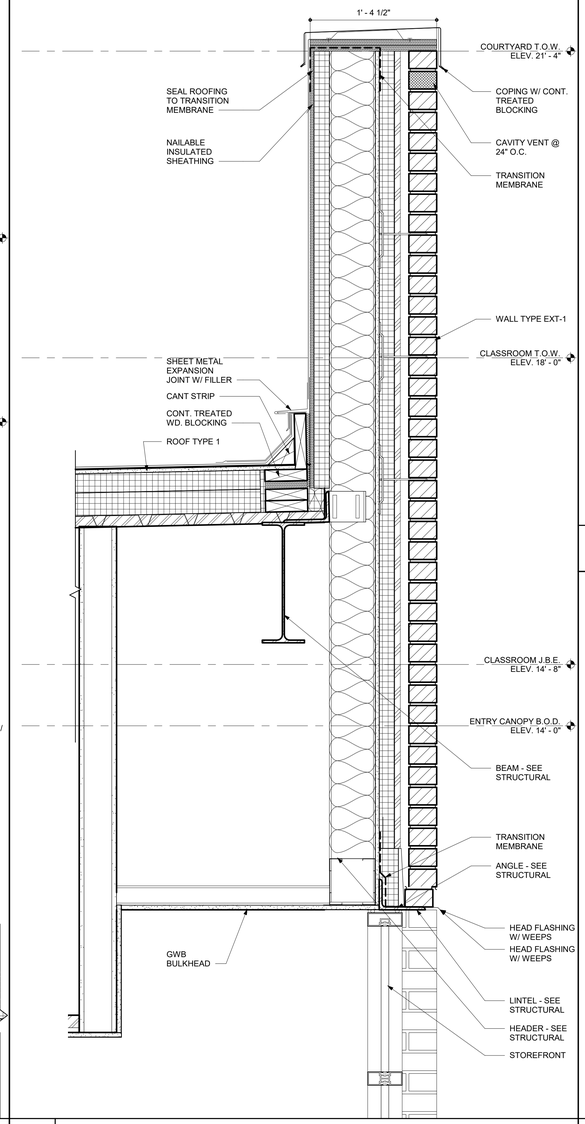
1 ROOF DETAIL - GYMNASIUM

SCALE: 1 1/2" = 1'-0"



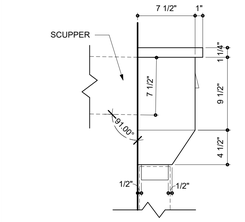
2 ROOF DETAIL - CHAIR STORAGE & CORR. 341

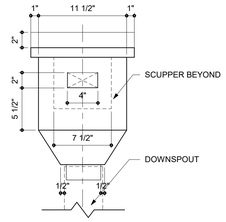
SCALE: 1 1/2" = 1'-0"



3 ROOF DETAIL - MEDIA RESOURCE

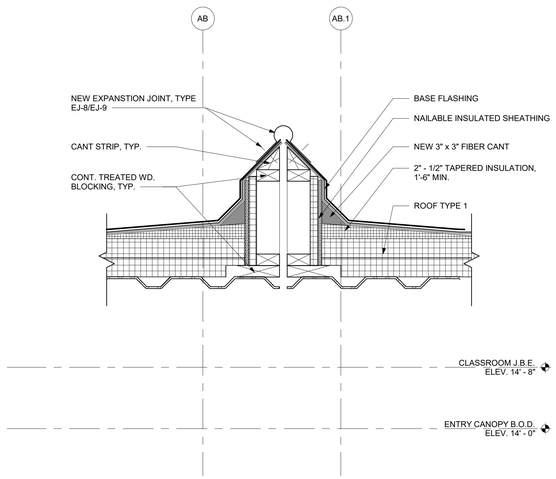
SCALE: 1 1/2" = 1'-0"





5 CONDUCTOR HEAD DETAIL

SCALE: 1 1/2" = 1'-0"



4 ROOF DETAIL - EXPANSION JOINT

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

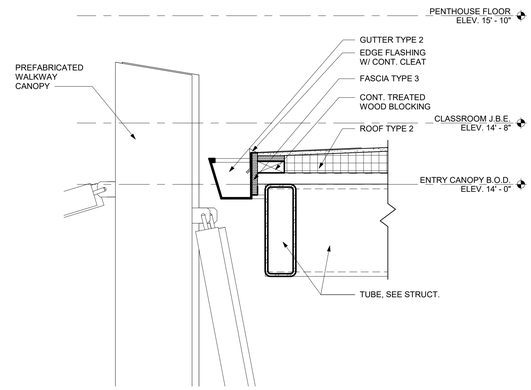
ISSUE

REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

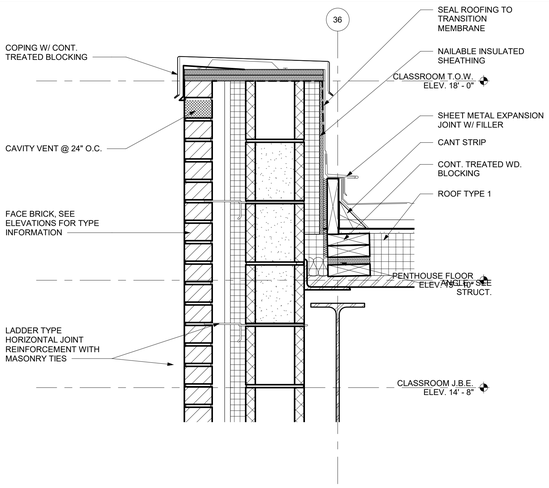
ROOF DETAILS

A521



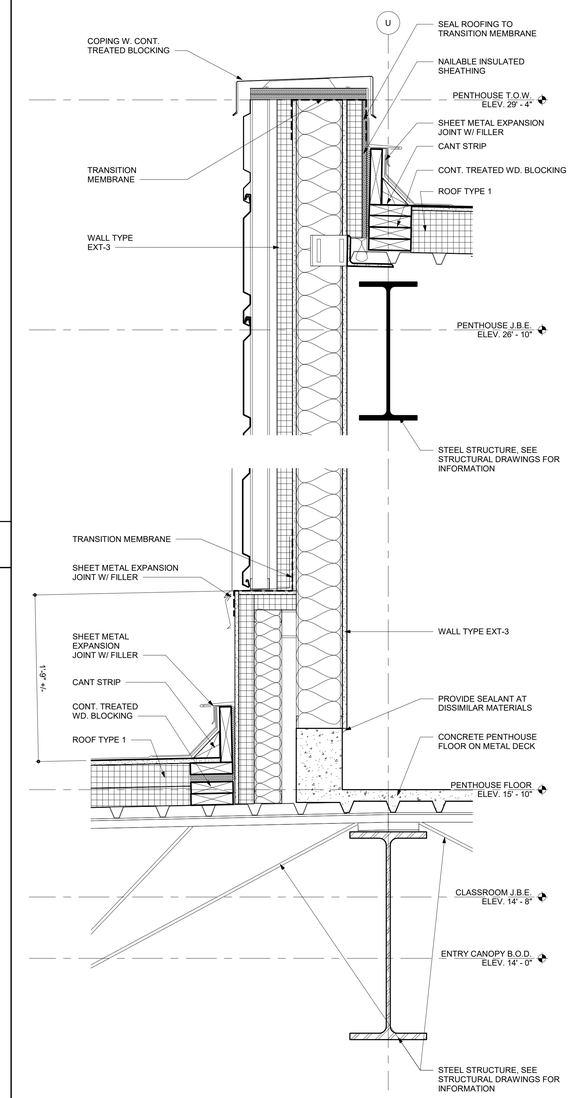
1 SECTION @ ENTRY CANOPY

SCALE: 1 1/2" = 1'-0"



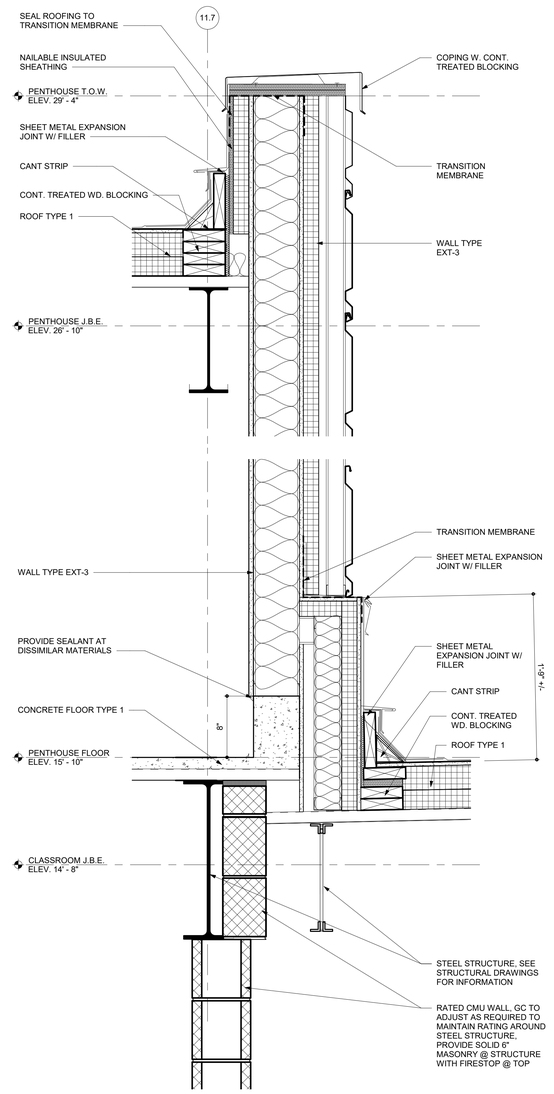
5 SECTION @ CLASSROOM ENDWALL

SCALE: 1 1/2" = 1'-0"



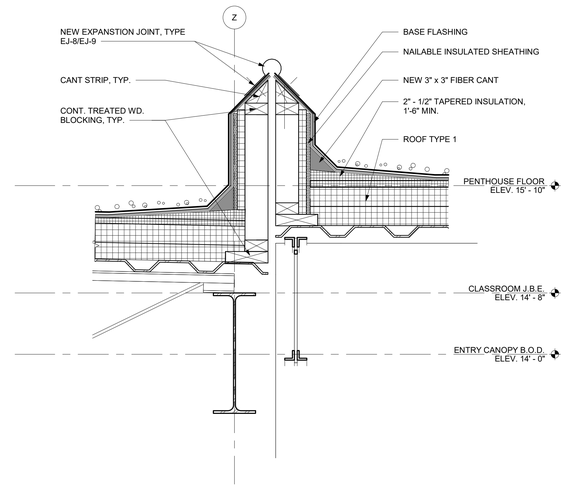
6 SECTION @ CLASSROOM PENTHOUSE 3

SCALE: 1 1/2" = 1'-0"



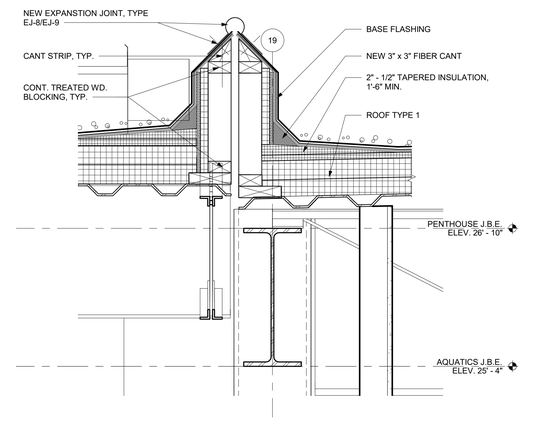
7 SECTION @ CLASSROOM PENTHOUSE

SCALE: 1 1/2" = 1'-0"



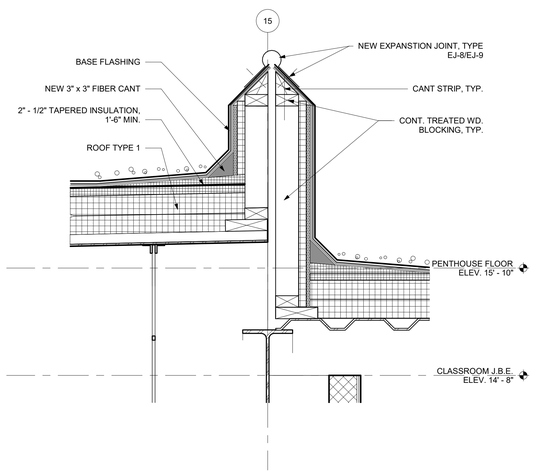
4 SECTION @ LOW ROOF

SCALE: 1 1/2" = 1'-0"



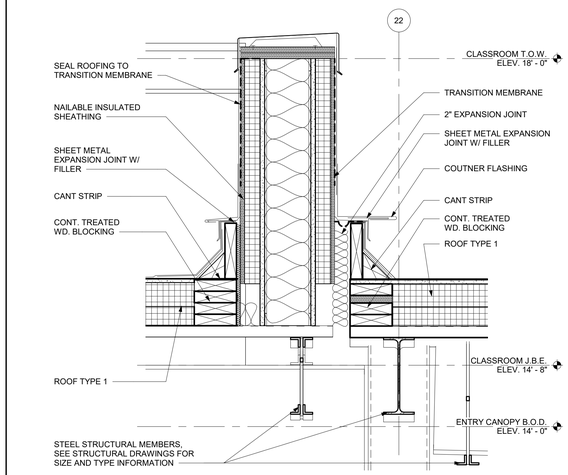
8 SECTION @ PENTHOUSE

SCALE: 1 1/2" = 1'-0"



9 E.J. @ CLASSROOM ROOF

SCALE: 1 1/2" = 1'-0"



10 E.J. @ CORRIDOR ROOF

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

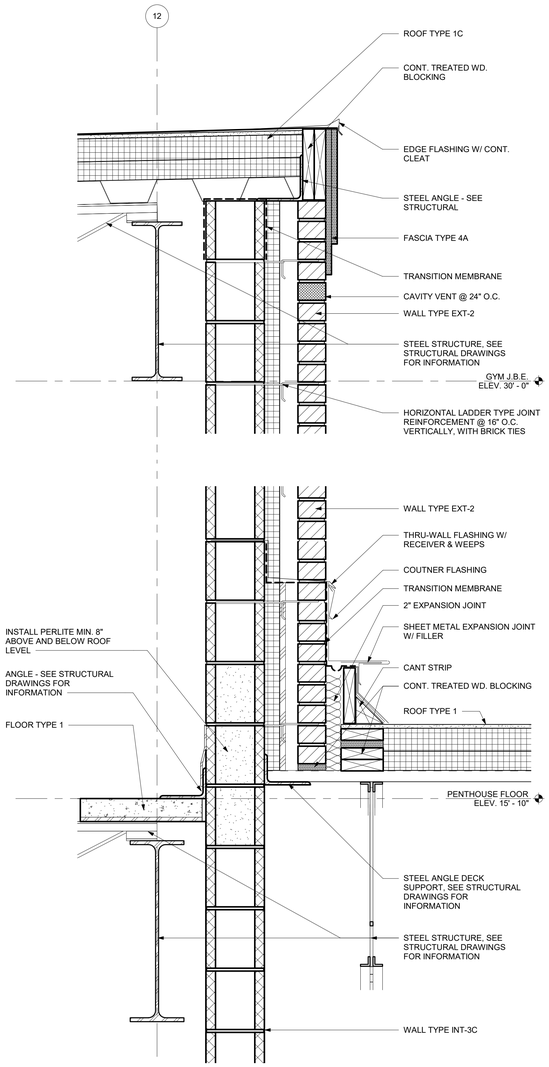
ISSUE

REV	DATE	DESCRIPTION
	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

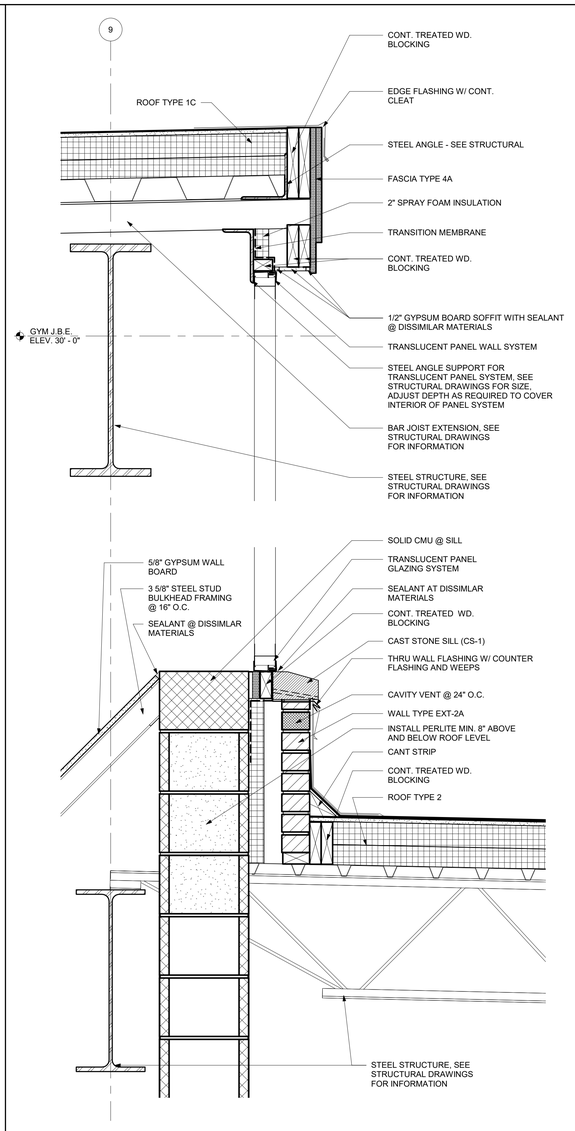
ROOF DETAILS

A522



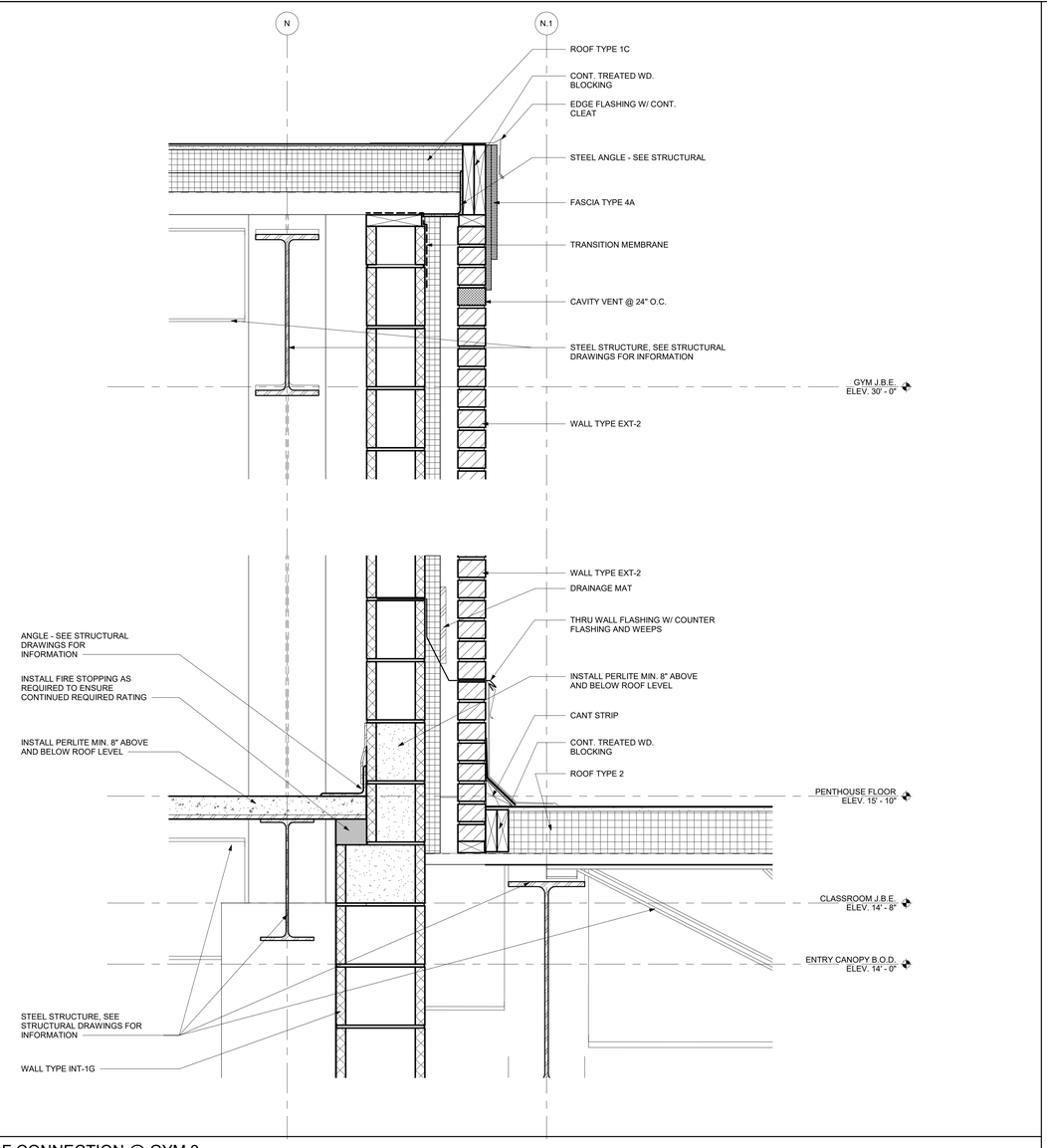
5 ROOF CONNECTION @ GYM

SCALE: 1 1/2" = 1'-0"



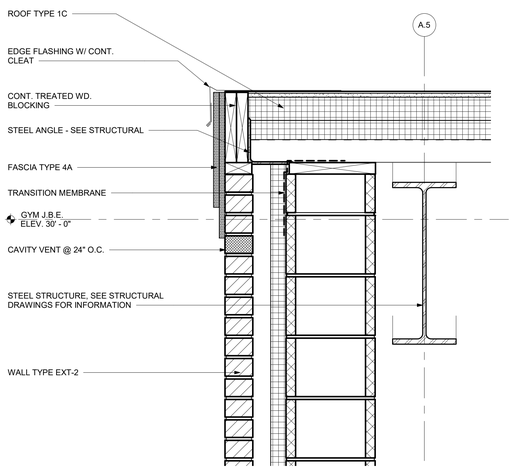
6 ROOF CONNECTION @ GYM 2

SCALE: 1 1/2" = 1'-0"



7 ROOF CONNECTION @ GYM 3

SCALE: 1 1/2" = 1'-0"



9 GYM ROOF DETAIL

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

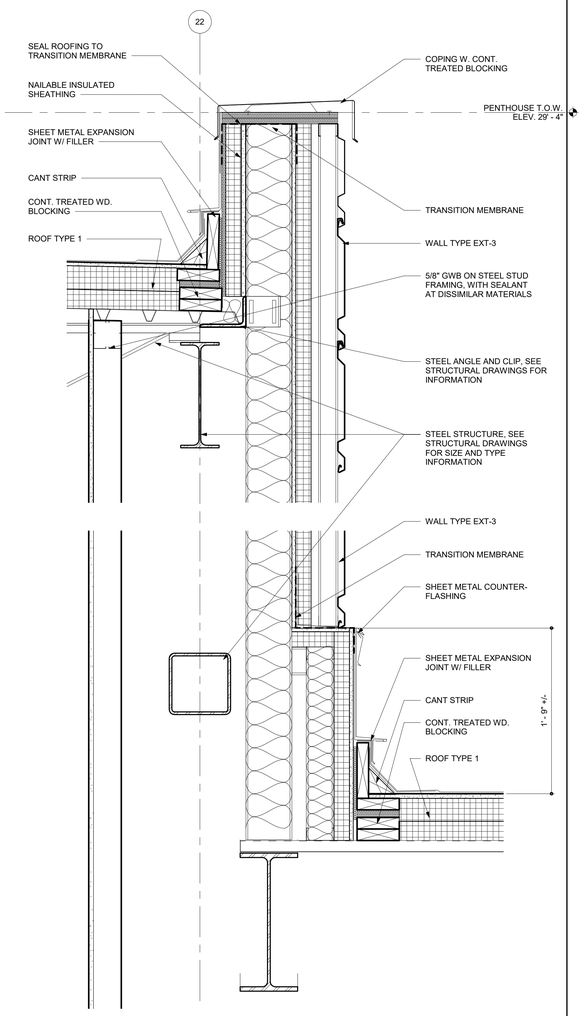
REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

ROOF DETAILS

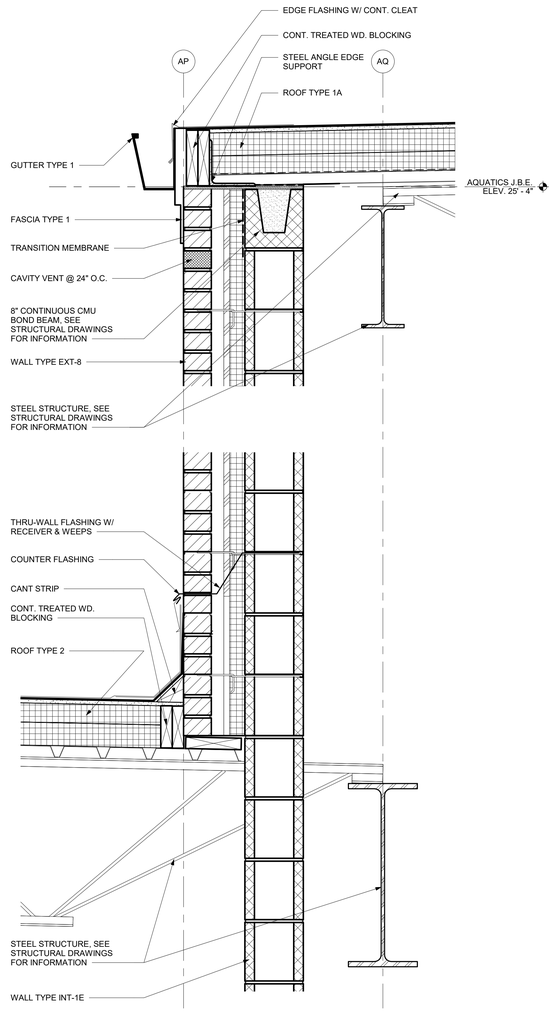
3

A523



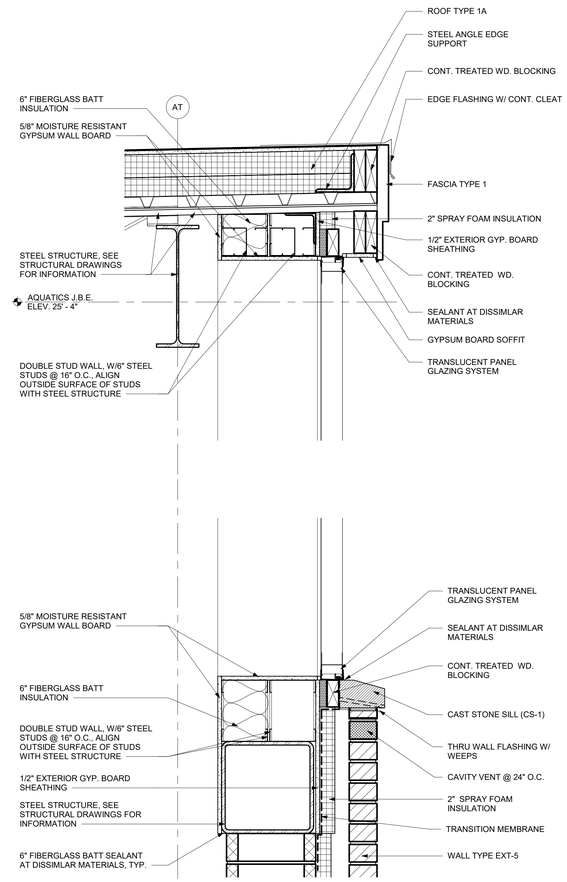
5 DINING ROOM ROOF DETAIL

SCALE: 1 1/2" = 1'-0"



6 ROOF DETAIL @ POOL ENCLOSURE

SCALE: 1 1/2" = 1'-0"



7 POOL ENCLOSURE END WALL SECTION

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

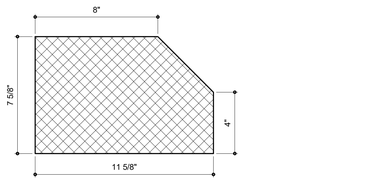
REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

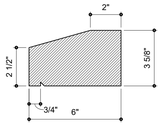
ROOF DETAILS

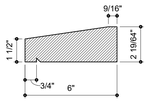
3

A524



CMU SILL TYPE 1



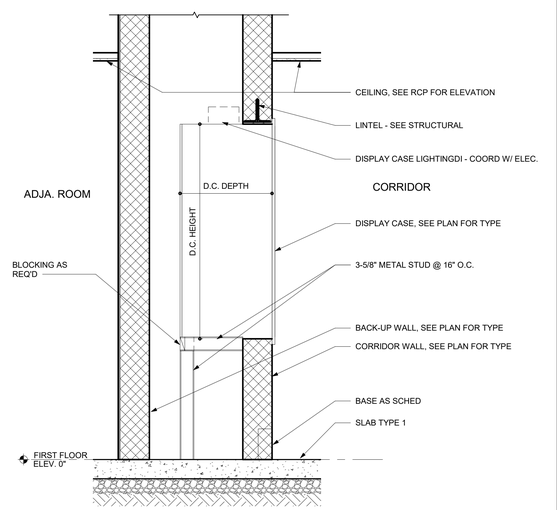


CS-1: TYPICAL SILL

CS-2: CAST STONE SILL

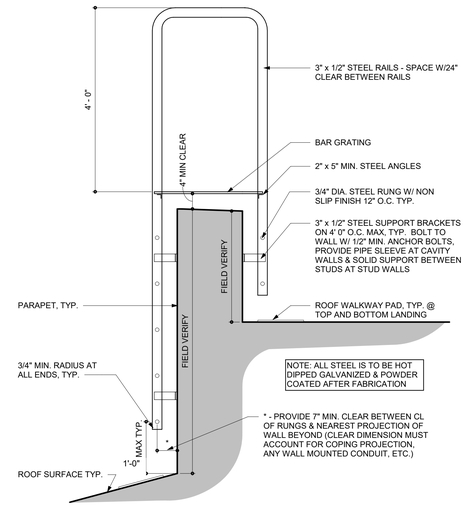
1 CAST STONE PROFILES

SCALE: 3" = 1'-0"



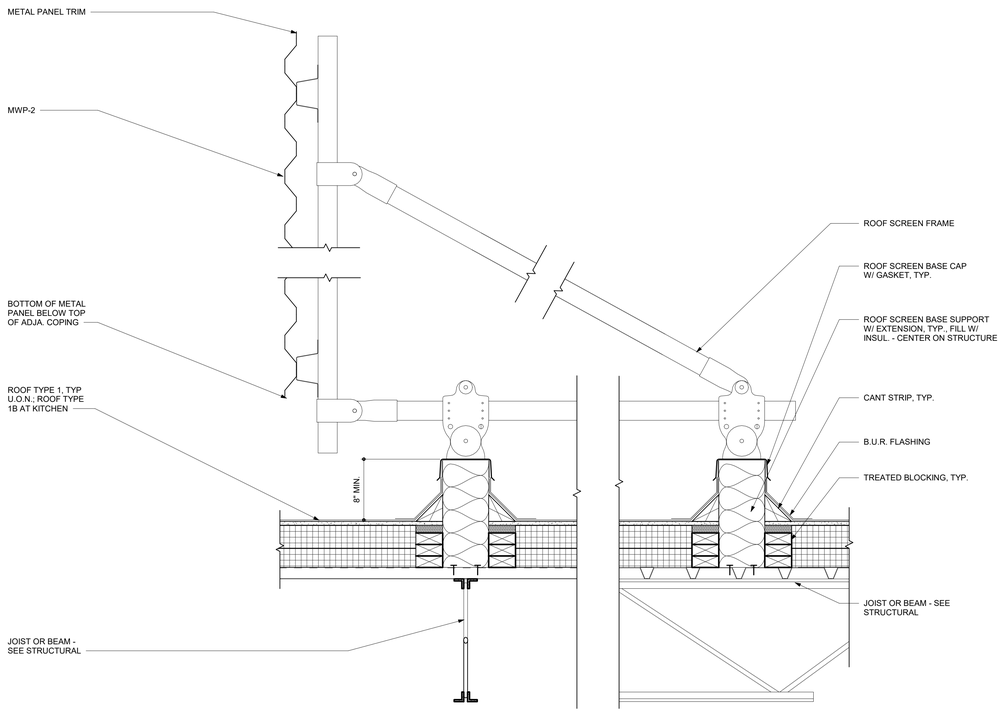
2 TYPICAL DISPLAY CASE SECTION DETAIL

SCALE: 3/4" = 1'-0"



3 TYPICAL ROOF LADDER DETAIL

SCALE: 3/4" = 1'-0"



4 TYPICAL ROOF SCREEN DETAIL

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
5B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

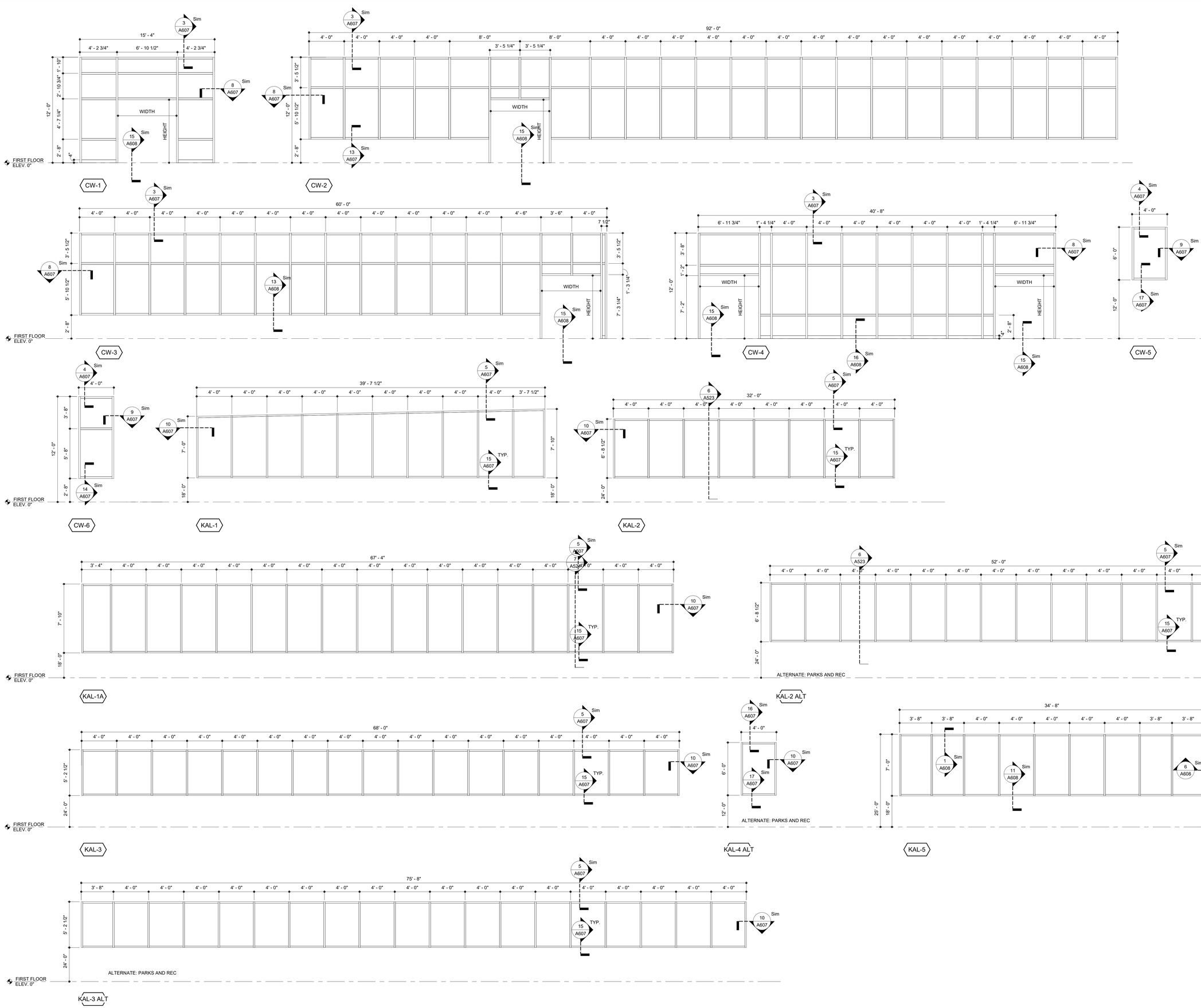
ISSUE

REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SECTION DETAILS

A510



Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN
GROUP
ARCHITECTURE
ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No.
00000
EXPIRATION DATE
00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

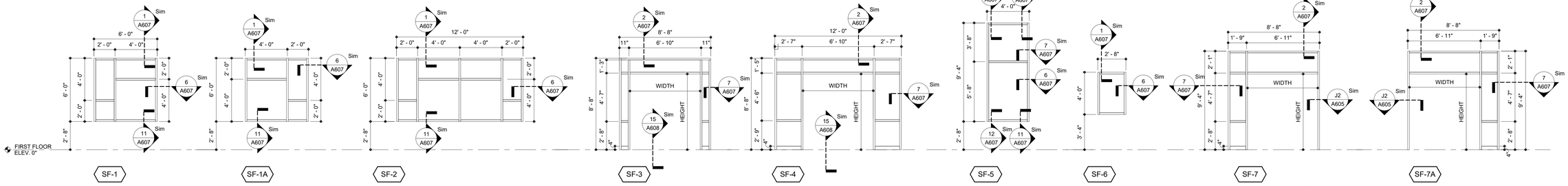
ISSUE

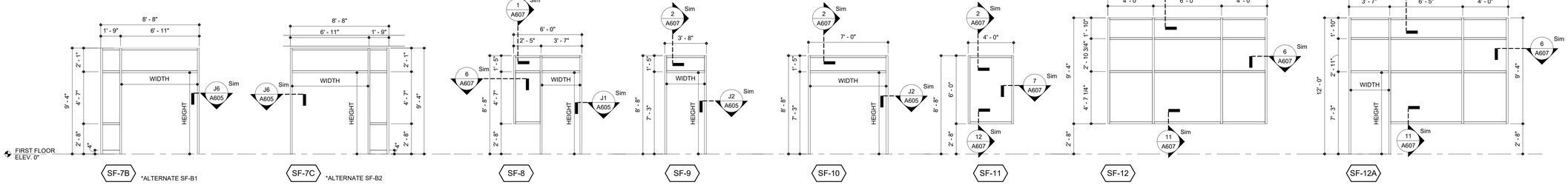
REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 05

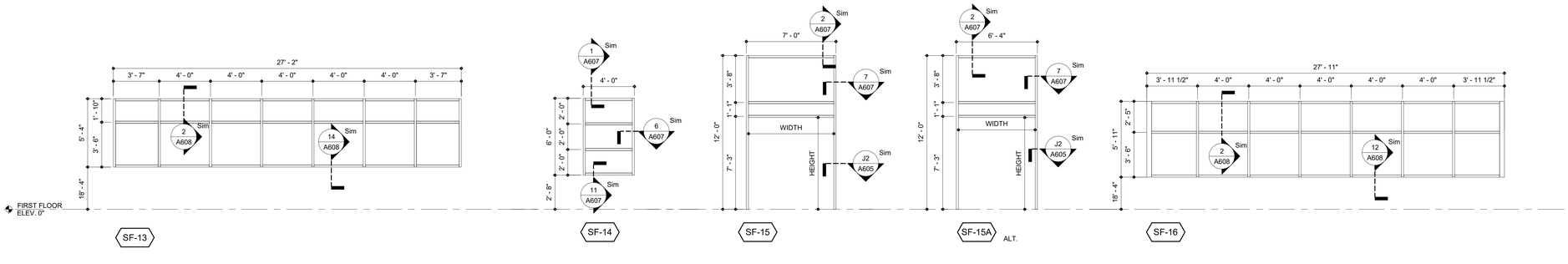
PROJECT NO.: 2017171.00
DATE: 07-01-2019

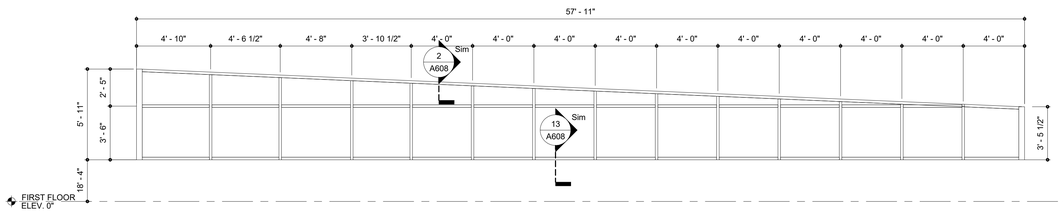
STOREFRONT AND CURTAINWALL TYPES

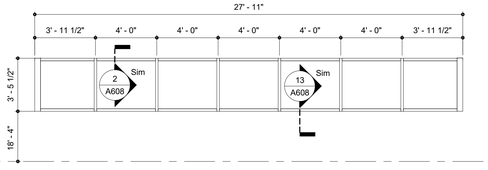
A603

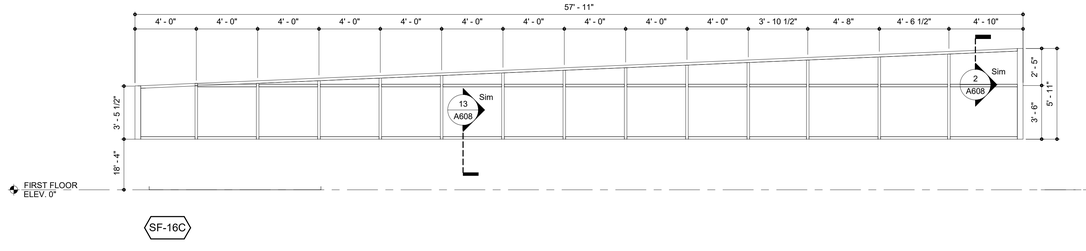


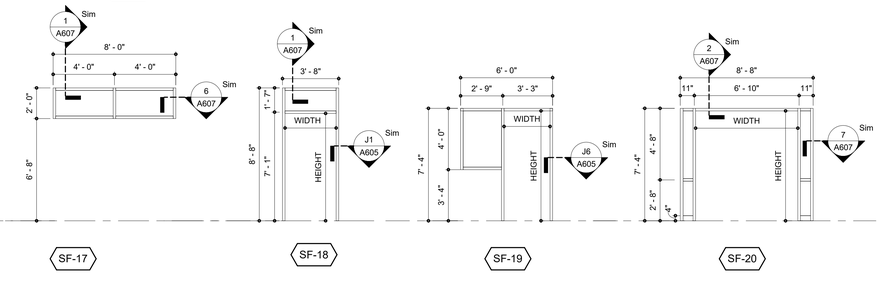












Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN
GROUP
ARCHITECTURE
ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No.
00000
EXPIRATION DATE
00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

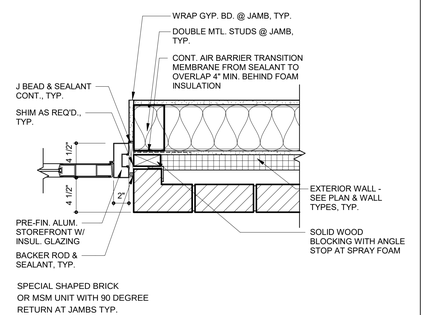
ISSUE

REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 05

PROJECT NO.: 20171171.00
DATE: 07-01-2019

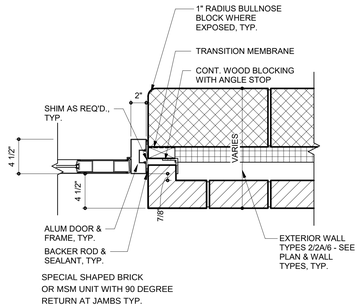
STOREFRONT AND CURTAINWALL TYPES

A604



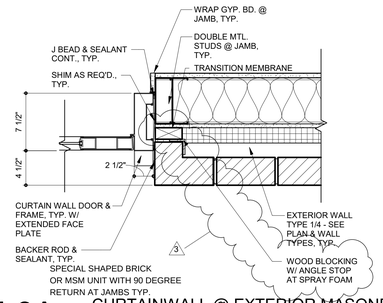
J-1A ALUM. FRAME @ EXTERIOR MASONRY WALL W/ MTL STUD - AT MSM LOCATIONS

J-1 ALUM. FRAME @ EXTERIOR MASONRY WALL W/ MTL STUD



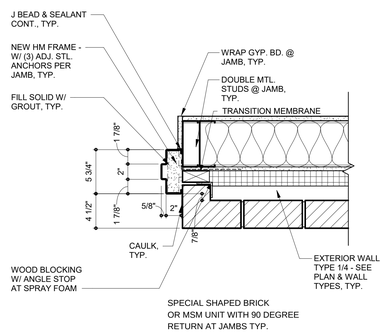
J-2A ALUM. FRAME @ EXTERIOR MASONRY WALL W/ CMU - AT MSM LOCATIONS

J-2 ALUM. FRAME @ EXTERIOR MASONRY WALL W/ CMU



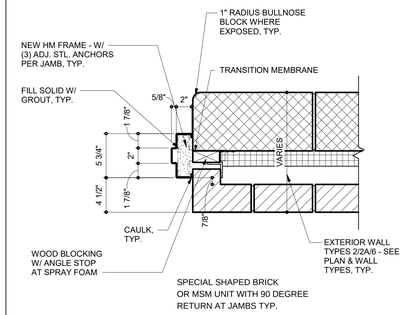
J-3A CURTAINWALL @ EXTERIOR MASONRY WALL W/ MTL STUD - AT MSM LOCATIONS

J-3 CURTAINWALL @ EXTERIOR MASONRY WALL W/ MTL STUD



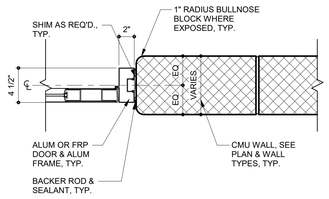
J-4A HM FRAME @ EXTERIOR MASONRY WALL W/ MTL STUD - AT MSM LOCATIONS

J-4 HM FRAME @ EXTERIOR MASONRY WALL W/ MTL STUD

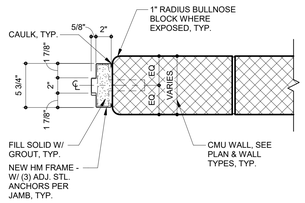


J-5A HM FRAME @ EXTERIOR MASONRY WALL W/ CMU - AT MSM LOCATIONS

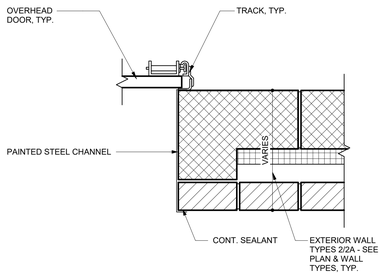
J-5 HM FRAME @ EXTERIOR MASONRY WALL W/ CMU



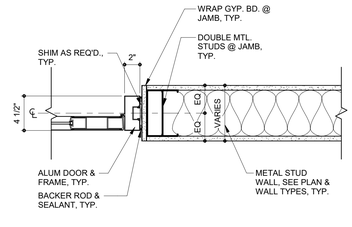
J-6 ALUM. FRAME @ CMU WALL



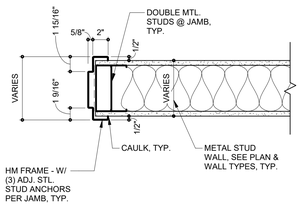
J-7 HM FRAME @ CMU WALL



J-8 STL. O.H.D. FRAME @ EXTERIOR MASONRY WALL W/ CMU

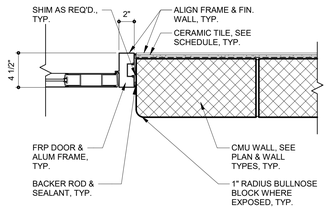


J-9 ALUM. FRAME @ METAL STUD WALL

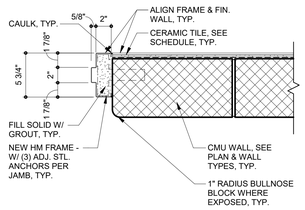


J-10 HM FRAME @ METAL STUD WALL

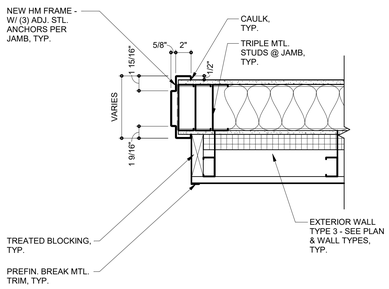
**CERAMIC TILE FINISH ON ONE SIDE AT CLASSROOM TOILETS AND DOOR 716B/1.



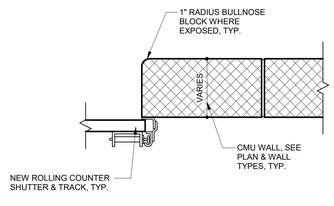
J-11 ALUM. FRAME @ CMU WALL W/ TILE FACE



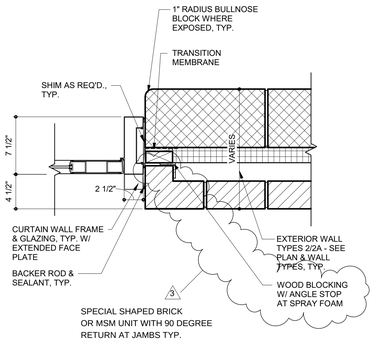
J-12 HM FRAME @ CMU WALL W/ TILE FACE



J-13 HM FRAME @ EXTERIOR METAL PANEL WALL W/ MTL STUD



J-14 ROLLING COUNTER SHUTTER @ CMU WALL



J-15 CURTAINWALL @ EXTERIOR MASONRY WALL W/ CMU

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

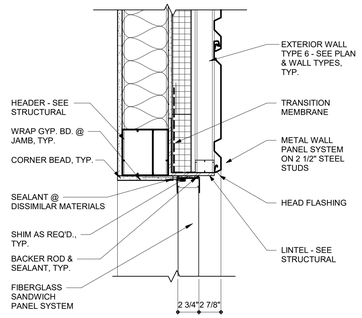
ISSUE

REV	DATE	DESCRIPTION
1	7.18.19	ADDENDUM 3
3	7.30.19	ADDENDUM 5

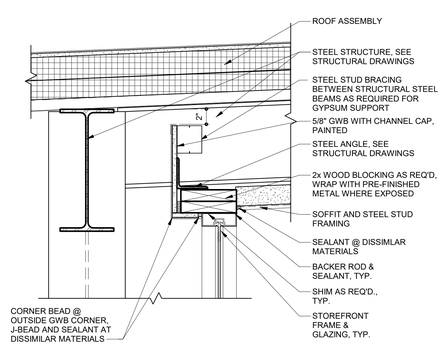
PROJECT NO.: 2017171.00
DATE: 07-01-2019

JAMB TYPES

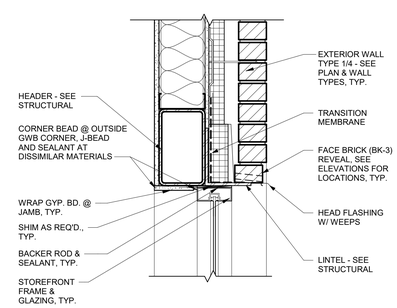
A605



1 HEAD DETAIL - FIBERGLASS PANEL @ PENTHOUSE



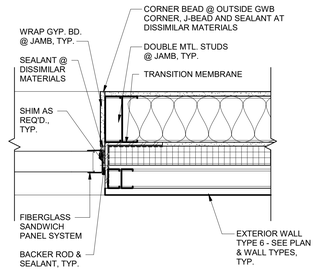
2 HEAD DETAIL - CURTAINWALL @ EXTERIOR MAIN ENTRY CLERESTORY



3 HEAD DETAIL - STOREFRONT @ EXTERIOR MAIN ENTRY CLERESTORY

4 HEAD DETAIL - NOT USED

5 HEAD DETAIL - NOT USED



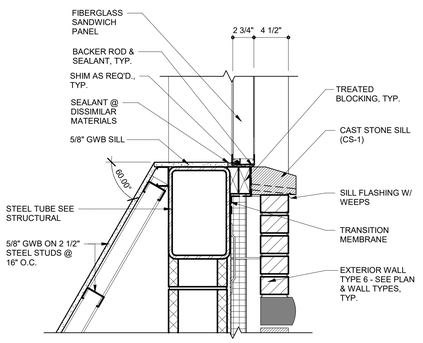
6 JAMB DETAIL - FIBERGLASS PANEL @ EXTERIOR PENTHOUSE WALL

7 JAMB DETAIL - NOT USED

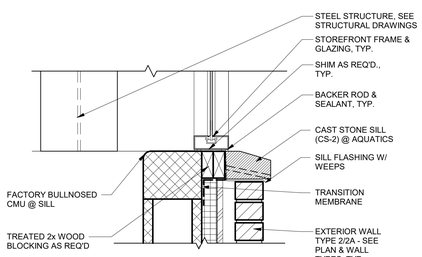
8 JAMB DETAIL - NOT USED

9 JAMB DETAIL - NOT USED

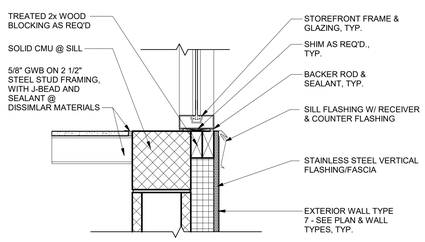
10 JAMB DETAIL - NOT USED



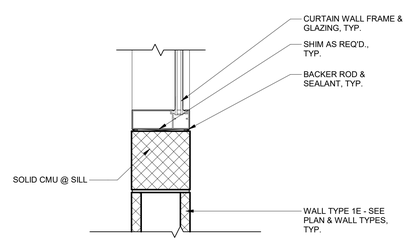
11 SILL DETAIL - ALUM. FRAME @ EXTERIOR MASONRY WALL W/ MTL STUD



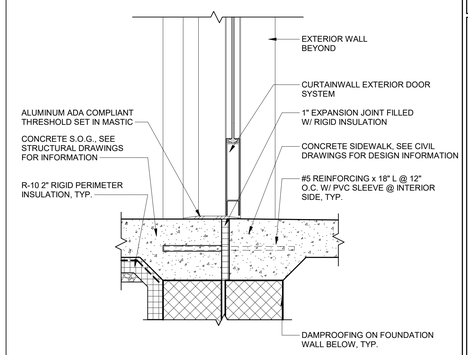
12 SILL DETAIL - STOREFRONT @ EXTERIOR MAIN ENTRY CLERESTORY



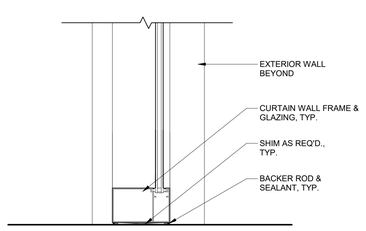
13 SILL DETAIL - STOREFRONT @ EXTERIOR MAIN ENTRY CLERESTORY



14 SILL DETAIL - CURTAINWALL @ EXTERIOR MASONRY WALL W/ CMU



15 THRESHOLD DETAIL - CURTAINWALL DOOR



16 SILL DETAIL - CURTAINWALL @ INTERIOR COURTYARD

SCALE: 1 1/2" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

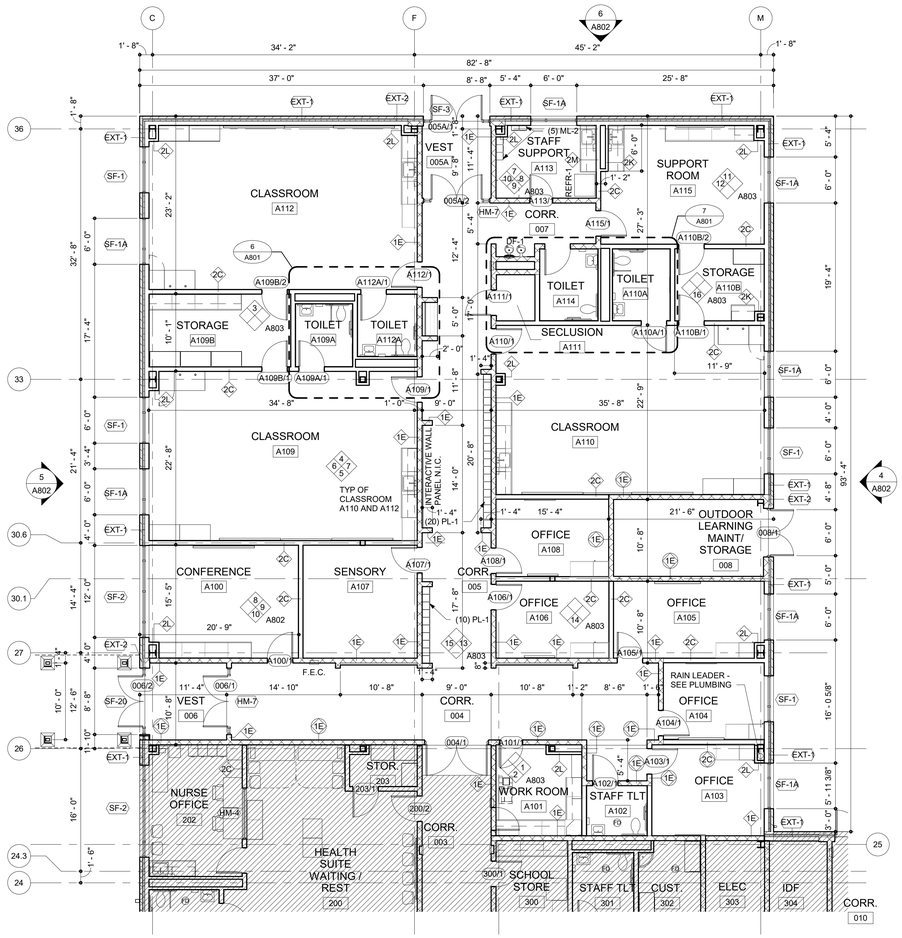
ISSUE

REV	DATE	DESCRIPTION
1	7.18.19	ADDENDUM 3

PROJECT NO.: 2017171.00
DATE: 07-01-2019

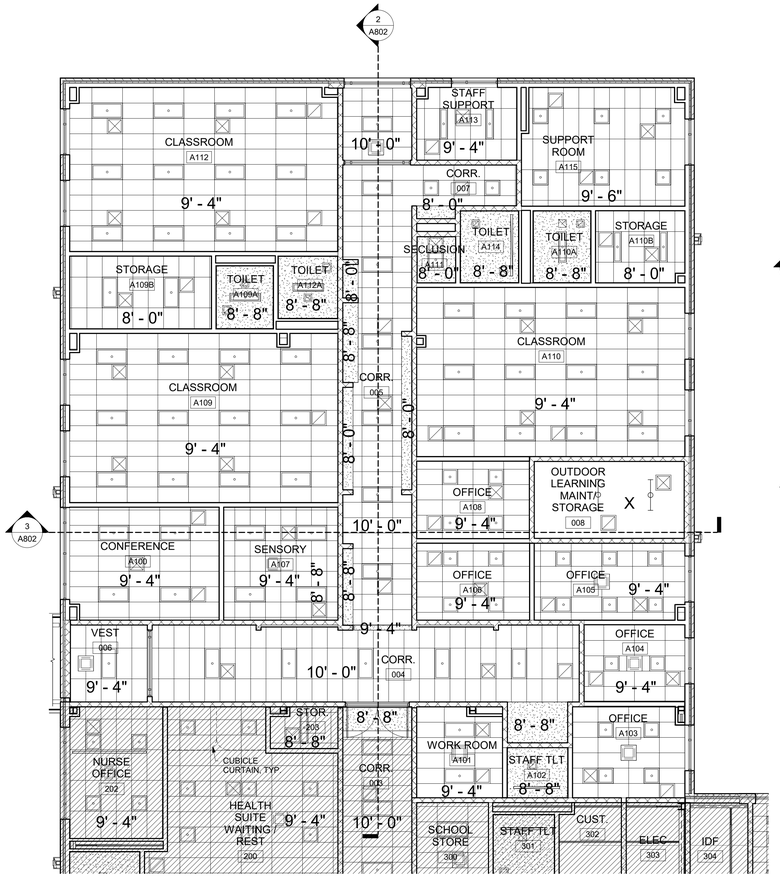
STOREFRONT AND CURTAINWALL DETAILS

A608



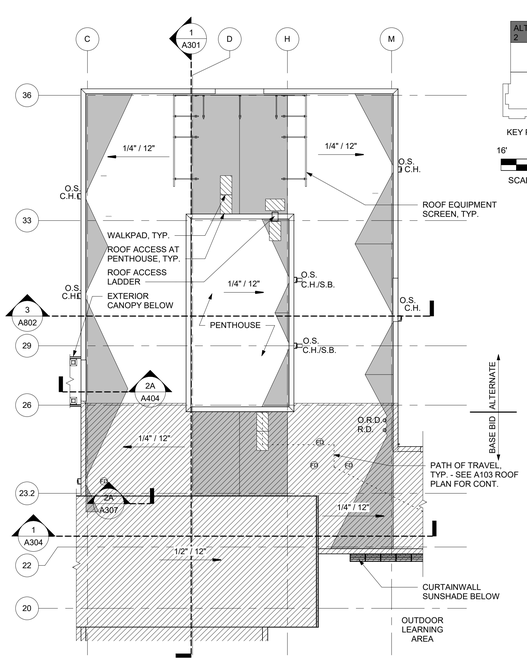
FIRST FLOOR PLAN - ALTERNATIVE SPECIALIZED ED WING - ALTERNATE

SCALE: 1/8" = 1'-0"



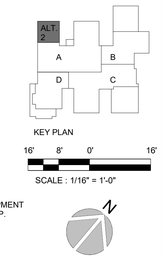
RCP - ALTERNATIVE SPECIALIZED ED WING - ALTERNATE

SCALE: 1/8" = 1'-0"



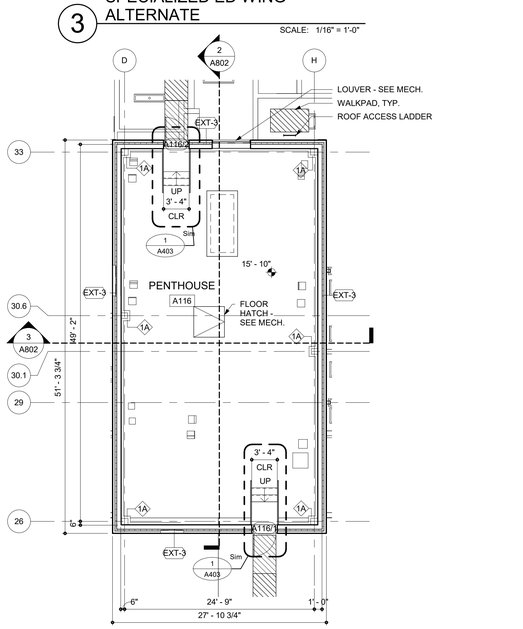
ROOF PLAN - ALTERNATIVE SPECIALIZED ED WING - ALTERNATE

SCALE: 1/16" = 1'-0"



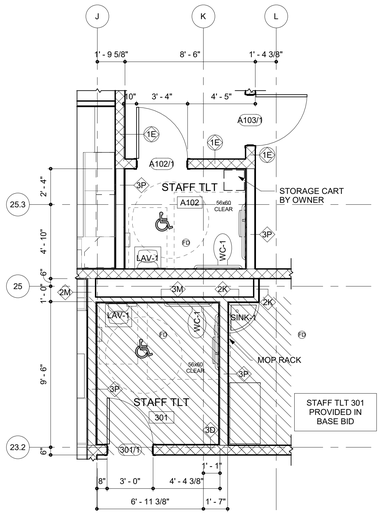
KEY PLAN

SCALE : 1/16" = 1'-0"



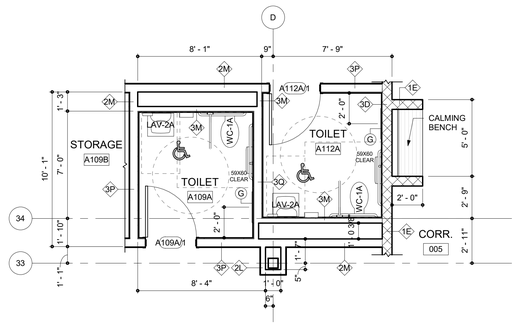
PENTHOUSE PLAN - AREA A

SCALE: 1/8" = 1'-0"



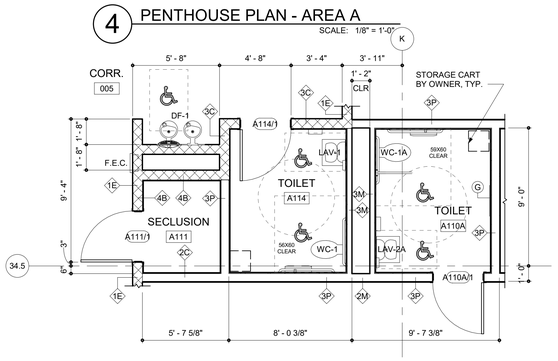
STAFF TLT 301 AND A102

SCALE: 1/4" = 1'-0"



TOILET A109A AND A112A

SCALE: 1/4" = 1'-0"



TOILET A110A AND TOILET A114

SCALE: 1/4" = 1'-0"

DOOR SCHEDULE - ALTERNATIVE SPECIALIZED WING

MARK	DOOR SIZE WIDTH	HT	THICK	MATL	TYPE	FIN	GLAZ	UNDER CUT	FRAME MATL	TYPE	FIN	DETAIL HEAD	JAMB	SILL	FIRE RATING	HDWE SET	COMMENTS
*ALT ED																	
004/1	8' - 0"	7' - 10"	1 3/4"	SCWD	E	-	FRGL-1	0"	HM	HM-1	PT	H7	J7		90 MIN		CARD READER; REMOVABLE MULLION
005A/1	6' - 8"	7' - 2"	1 3/4"	ALUM	D	-	IG-1	0"	ALUM	SF-3	-	H2	J2		-	04A	
005A/2	6' - 8"	7' - 2"	1 3/4"	ALUM	D	-	IG-1	0"	ALUM	HM-7	PT	H7	J7		-	04A SIM	CARD READER; ALARMED EGRESS DOOR
006/1	6' - 8"	7' - 2"	1 3/4"	ALUM	D	-	IG-1	0"	ALUM	HM-7	PT	H6	J6		-	04A SIM	CARD READER; ALARMED EGRESS DOOR
006/2	6' - 8"	7' - 2"	1 3/4"	ALUM	D	-	IG-1	0"	ALUM	SF-3	-	H2	J2		-	4A	
008/1	6' - 0"	7' - 2"	1 3/4"	HM	A	PT	-	0"	HM	HM-1	PT	H5	J5		-	28	DOOR PURCHASED PER BASE BID
A100/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A101/1	3' - 0"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H7	J7		90 MIN	14	CARD READER
A102/1	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H12	J12		90 MIN	24	PROVIDE GASKETING FOR FIRE RATING
A103/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	FRGL-1	0"	HM	HM-1	PT	H7	J7		90 MIN	14	
A104/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A105/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A106/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A107/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A108/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A109/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A109A/1	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT				-	23	
A109B/1	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H10	J10		-	10	
A109B/2	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H10	J10		-	10	
A110/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A110A/1	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H10	J10		-	22	
A110B/1	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H10	J10		-	10	
A110B/2	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H10	J10		-	10	
A111/1	3' - 4"	7' - 2"	1 3/4"	SCWD	F	-	LAM	0"	HM	HM-1	PT	H7	J7		-	10B	
A112/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A112A/1	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT				-	23	
A113/1	3' - 0"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A114/1	3' - 4"	7' - 2"	1 3/4"	SCWD	A	-	-	0"	HM	HM-1	PT	H12	J12		-	23	
A115/1	3' - 4"	7' - 2"	1 3/4"	SCWD	B	-	TEMP	0"	HM	HM-1	PT	H7	J7		-	10	
A116/1	3' - 0"	7' - 2"	1 3/4"	HM	A	PT	-	0"	HM	HM-1	PT	H13	J13		-		
A116/2	3' - 0"	7' - 2"	1 3/4"	HM	A	PT	-	0"	HM	HM-1	PT	H13	J13		-		

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS BID #19C14

ISSUE

REV	DATE	DESCRIPTION
3	7.30.19	ADDENDUM 05

PROJECT NO.: 20171710.00
DATE: 07-01-2019

ALTERNATIVE SPECIALIZED EDUCATION WING - ALTERNATE #2

A801

ROCK CREEK SCHOOL AND WALKERSVILLE MIDDLE SCHOOL IMPROVEMENT PLAN

SITE NOTES

1. SITE IS KNOWN AS "WALKERSVILLE MIDDLE SCHOOL" AND IS SHOWN ON TOWN OF WALKERSVILLE TAX MAP NO. 850 PARCEL 1096 AND MAP 850 PARCEL 1097 LIBER 00587 FOLIO 00538. THE SITE IS ZONED INST (INSTITUTIONAL USE) PER TOWN OF WALKERSVILLE ZONING MAP, AND IS IN THE WELLHEAD PROTECTION AREA. THE TAX ID IS 26-486521/26-486564. THE PLANNING REGION IS WALKERSVILLE. THE NEW ROCK CREEK SCHOOL WILL BE CONSTRUCTED AT THE REAR OF THE EXISTING WALKERSVILLE MIDDLE SCHOOL PROPERTY, SITUATED ALONG WEST FREDERICK STREET. ROCK CREEK SCHOOL IS A SPECIAL NEEDS SCHOOL THAT SERVES STUDENTS WITH COMPLEX MEDICAL CONDITIONS AND SEVERE DISABILITIES, FROM AGES 3 THROUGH 21.
2. THIS PLAN WAS PREPARED WITHOUT BENEFIT OF A TITLE REPORT AND MAY NOT INDICATE ALL ENCUMBRANCES ON THE PROPERTY.
3. UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BEFORE COMMENCEMENT OF ANY CONSTRUCTION.
4. THE PROJECT SITE IS SHOWN OUTSIDE THE BOUNDARY OF THE 100-YEAR FLOODPLAIN AS DEPICTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 240021C0301D.
5. SOILS INFORMATION TAKEN FROM "SOILS SURVEY OF FREDERICK COUNTY", 2001 EDITION.
   HaA HAGERSTOWN LOAM. 0 TO 3 PERCENT SLOPES
   HaB HAGERSTOWN LOAM. 3 TO 8 PERCENT SLOPES
6. NO WETLAND EXIST IN THE SITE.
7. SETBACKS ARE AS FOLLOWS, PER WALKERSVILLE ZONING INST:
   FRONT 40FT
   SIDE 50FT
   REAR 50FT
   MAX BUILDING HEIGHT 30FT
8. THE SEWAGE TREATMENT PLANT SERVICE AREA IS BALLENGER-McKINNEY WWTP.
9. ALL RIGHT OF WAY WORK IS BY OPEN CUT TRENCHING AND MUST BE APPROVED BY TOWN OF WALKERSVILLE. BORING AND JACKING WILL BE DETERMINED AS PART OF PERMIT WORK WITH IN RIGHT-OF-WAY FROM TOWN OF WALKERSVILLE.
10. THERE ARE NO EXISTING OR PROPOSED WELLS WITHIN 50' OF THE PROPOSED SEWER.
11. CURRENT WATER CLASSIFICATION OF THE PROPERTY IS W-1, PER FREDERICK COUNTY WATER SERVICE AREA MAP, CURRENT SEWER CLASSIFICATION IS S-1, PER FREDERICK COUNTY SEWER SERVICE AREA MAP.
12. ALL ON-SITE AND OFF-SITE TRAFFIC CONTROL (SIGNAL, MARKING, ETC.) SHALL MEET LATEST EDITION OF THE MDOT-SHA MUTCD.
13. THE TOTAL SQUARE FOOTAGE OF THE BUILDING IS 110,260 GROSS.
14. A WASTE FIXTURE COUNT MUST BE PERFORMED BY FREDERICK COUNTY DUSWM, DIVISION OF ENGINEERING AND PLANNING BEFORE A BUILDING PERMIT CAN BE APPROVED. EACH TENANT OR OWNER SHALL COMPLETE AN INDUSTRIAL QUESTIONNAIRE AND COMPLY WITH FREDERICK COUNTY INDUSTRIAL WASTE ORDINANCE. FURNISHMENT AND INSTALLATION OF MONITORING MANHOLES, GREASE TRAPS OR OTHER PRETREATMENT DEVICES SHALL BE THE RESPONSIBILITY OF THE OWNER OR CONTRACT PURCHASER OR THE LOT. THE FINAL LOCATION OF SAID DEVICE(S) IS SUBJECT TO REVIEW AND APPROVAL BY FREDERICK COUNTY DUSWM AS PART OF THE SITE IMPROVEMENT PLAN.
15. THE PROPERTY ADDRESS SHALL BE INCORPORATED INTO THE SITE SIGN AND SHALL BE POSTED ON THE BUILDING IN ACCORDANCE WITH FREDERICK COUNTY PREMISE IDENTIFICATION ORDINANCE #05-01-362
16. PROVIDE AND INSTALL PLOWABLE FIRE HYDRANT MARKERS IN THE ROADWAY. THE MARKERS SHALL BE LOCATED 6-INCHES FROM THE CENTERLINE OF THE ROADWAY/TRAVEL LANE ON THE SIDE CLOSEST TO THE FIRE HYDRANT. THE REFLECTOR SHALL BE BLUE IN COLOR.
17. SITE SIGN WILL BE 50 SQUARE FEET MAXIMUM AND WILL BE INTERNALLY LIT. WILL BE LOW ILLUMINATION. SIGN WILL NOT EXCEED 12' HIGH. SETBACKS FOR SIGN ½ FRONT, SIDES, AND REAR REFER TO NOTE #7.
    PROVIDED SIZE – 50 SQUARE FEET
    PROVIDED SETBACKS – FRONT: 20', SIDES: 215' & 442', REAR: 603'
18. SWM WILL BE PROVIDED BY IMPLEMENTING ESD TO THE MEP IN ACCORDANCE WITH THE MARYLAND STORMWATER MANAGEMENT ACT OF 2007.
19. LOADING SPACES REQUIRED 5 LARGE.
20. LIGHTING SHALL BE SHIELDED TO PREVENT GLARE ONTO NEIGHBORING PROPERTIES, ROADWAYS, AND NIGHTTIME SKY. LIGHTING LEVELS WILL NOT EXCEED 0.5FT CANDLE AT THE PROPERTY LINE.
21. BACKFLOW PREVENTION WILL BE PROVIDED WITHIN THE BUILDING WITH REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTERS.
22. ALL ACCESSIBILITY DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF MARYLAND ACCESSIBILITY CODE (COMAR 05.02.02) AND THE AMERICANS WITH DISABILITIES ACT (ADA), LATEST EDITIONS.
23. ALL PERIMETER AND MAIN DRIVE AISLES SHALL BE MARKED AS FIRE LANES WITH NO PARKING. FIRE LANES SHALL BE PAINTED TRAFFIC YELLOW AND APPROVED SIGNS SHALL BE POSTED A MAXIMUM OF 75' APART.

SITE TABULATION

TOTAL SITE .....1,198,529 s.f. or 27.51 acres

TOTAL DISTURBANCE.....891,727 s.f. or 20.47 acres

EXISTING WALKERSVILLE MS BUILDING FOOTPRINT .....153,125 s.f. or 3.52 acres

PROPOSED ROCK CREEK SCHOOL BUILDING FOOTPRINT.....110,260 s.f or 2.53 acres

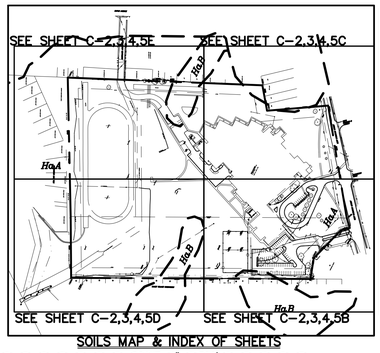
BUILDING COVERAGE .....21.82% (of total site)

TOTAL IMPERVIOUS .....558,348 s.f. or 12.82 acres
.....46.6% (of total site)

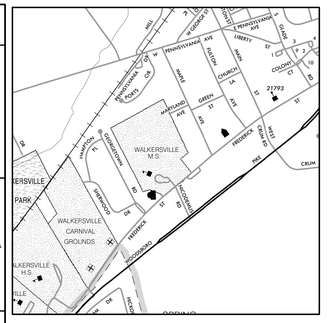
PARKING AREA .....43,195 s.f. or 0.99 acres

GENERAL NOTES

1. ALL WATER AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF WALKERSVILLE AND FREDERICK COUNTY GENERAL CONDITIONS AND STANDARD SPECIFICATIONS AND DETAILS FOR WATER MAINS, SANITARY SEWER AND RELATED STRUCTURES, SPECIAL PROVISIONS AND AMENDMENTS THERETO. ON SITE WATER IS UNDER JURISDICTION OF THE TOWN OF WALKERSVILLE AND SANITARY SEWER IS UNDER JURISDICTION OF FREDERICK COUNTY DUSWM.
2. ALL 'PUBLIC' FITTINGS AND VALVES ARE TO BE RESTRAINED BY USE OF 'MEGA-LUGS' OR EQUAL. IF NO RESTRAINED JOINT LENGTH IS SHOWN ON THE DRAWINGS, INSTALL CONCRETE BUTTRESSES/ANCHORS AT FITTINGS PER THE STANDARD DETAILS OR SUBMIT AN RFI TO THE ENGINEER TO HAVE RESTRAINED JOINT LENGTH CLARIFIED.
3. THE CONTRACTOR SHALL NOT TAP OR PENETRATE EXISTING WATER AND/OR SEWER MAINS WITHOUT APPROVAL FROM FREDERICK COUNTY DUSWM OR TOWN OF WALKERSVILLE.
4. THE CONTRACTOR SHALL NOT OPERATE VALVES ON EXISTING COUNTY OR TOWN OF WALKERSVILLE OWNED WATER MAINS.
5. THE CONTRACTOR IS RESPONSIBLE TO AVOID THE SPILLAGE OF RAW SEWAGE. THE CONTRACTOR SHALL FURNISH NECESSARY EQUIPMENT (SEWER PLUGGING, PUMPING, CONTAINMENT, ETC.) TO PREVENT SAID SPILLAGE.
6. EXCAVATION WITHIN A TOWN ROAD RIGHT-OF-WAY FOR THE PURPOSE OF THE INSTALLATION OF UTILITIES, STORM DRAINS, ETC. SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS IN THE PERMIT ISSUED BY THE TOWN OF WALKERSVILLE. CONTACT TOWN OF WALKERSVILLE AT 301-845-4500.
7. EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE RECORDS. THE CONTRACTOR SHALL TEST PIT IN THE AREA OF KNOWN UTILITIES TO VERIFY SIZE, ELEVATION, LOCATION AND TYPE PRIOR TO PERFORMING ANY WORK. ANY UTILITY, WHETHER SHOWN OR NOT, THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
8. ANY NECESSARY ADJUSTMENTS TO EXISTING MANHOLES, VALVE BOXES, ETC. ARE TO BE DONE SO BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ANY EXISTING FENCES, DRIVEWAYS, SIGNS, DRAINAGE PIPES, MAILBOXES, SHRUBS, TREES, ETC., DAMAGED OR REMOVED DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION OR BETTER.
9. THE CONTRACTOR SHALL NOTIFY MISS UTILITY (1-800-257-7777) FIVE (5) DAYS PRIOR TO START OF CONSTRUCTION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING SILT AND DEBRIS OUT OF THE STORM DRAINAGE SYSTEM FOR THE DURATION OF THE CONTRACT.
11. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTY OWNERS AT ALL TIMES. THE CONTRACTOR, WITH OWNER, APPROVAL, WILL COORDINATE WITH PROPERTY OWNERS IF ACCESS MUST BE INTERRUPTED FOR SHORT TIME PERIODS.



SOILS MAP & INDEX OF SHEETS
SCALE: 1" = 300'



VICINITY MAP
SCALE: 1" = 1,000'±
FREDERICK COUNTY
ADC MAP PAGE: 22
GRID: D-7
(2011 EDITION)

Sheet List Table	
Sheet Number	Sheet Title
C-0	COVER SHEET
C-1A	OVERALL EXISTING CONDITIONS PLAN
C-1B	DEMOLITION PLAN
C-2A	OVERALL EROSION AND SEDIMENT CONTROL PLAN
C-2B	EROSION AND SEDIMENT CONTROL PLAN
C-2C	EROSION AND SEDIMENT CONTROL PLAN
C-2D	EROSION AND SEDIMENT CONTROL PLAN
C-2F	EROSION AND SEDIMENT DETAILS
C-2E	EROSION AND SEDIMENT CONTROL PLAN
C-2G	EROSION AND SEDIMENT DETAILS
C-2H	EROSION AND SEDIMENT DETAILS
C-2J	EROSION AND SEDIMENT NOTES
C-3A	OVERALL SITE PLAN
C-3B	SITE PLAN
C-3C	SITE PLAN
C-3D	SITE PLAN
C-3E	SITE PLAN
C-3F	ALTERNATE PLAN
C-3G	SITE DETAILS
C-3H	SITE DETAILS
C-3J	SITE DETAILS
C-3K	SEWER PROFILES
C-3L	SEWER PROFILES
C-3M	SEWER PROFILES
C-3N	SEWER PROFILES
C-3P	SEWER PROFILES
C-3Q	SEWER PROFILES
C-3R	SEWER PROFILES
C-3S	WATERLINE PROFILES
C-3T	WATERLINE PROFILES
C-3U	WALL PROFILES
C-3V	WALL DETAIL AND NOTES
C-4A	OVERALL GRADING AND STORM WATER MANAGEMENT PLAN
C-4B	GRADING AND STORM WATER MANAGEMENT PLAN
C-4C	GRADING AND STORM WATER MANAGEMENT PLAN
C-4D	GRADING AND STORM WATER MANAGEMENT PLAN
C-4E	GRADING AND STORM WATER MANAGEMENT PLAN
C-4F	STORM DRAIN PROFILES
C-4G	STORM DRAIN PROFILES
C-4H	STORM DRAIN PROFILES
C-4J	STORM DRAIN PROFILES
C-4K	STORM DRAIN PROFILES
C-4L	STORM DRAIN PROFILES
C-4M	STORM DRAIN PROFILES
C-4N	STORM DRAIN PROFILES
C-4P	STORM DRAIN PROFILES
C-4Q	STORM DRAIN PROFILES
C-4R	UGS-1 DETAILS
C-4S	UGS-1 DETAILS
C-4T	UGS-1 DETAILS
C-4U	STORM DRAIN PROFILES
C-4V	STORM DRAIN PROFILES
C-4W	STORM DRAIN PROFILES
C-4X	STORM DRAIN PROFILES
C-4Y	STORM DRAIN PROFILES
C-4Z	STORM DRAIN PROFILES
C-4AA	STORM DRAIN PROFILES
C-4AB	STORM DRAIN PROFILES
C-4AC	STORM DRAIN PROFILES
C-4AD	STORM DRAIN PROFILES
C-4AE	STORM DRAIN PROFILES
C-4AF	STORM DRAIN PROFILES
C-4AG	STORM DRAIN PROFILES
C-5A	SIGNAGE & STRIPING PLAN
C-5B	SIGNAGE & STRIPING PLAN
C-5C	SIGNAGE & STRIPING PLAN
C-5D	SIGNAGE & STRIPING PLAN
C-5E	SIGNAGE & STRIPING PLAN
C-5F	SIGNAGE & STRIPING DETAI
L-2.1	SITE LANDSCAPE PLAN
L-2.2	SITE LANDSCAPE PLAN
L-2.3	SITE LANDSCAPE NOTES & DETAILS
L-2.4	COURTYARD / GARDEN MATERIALS

PARKING TABULATION

PARKING REQUIRED

WALKERSVILLE MIDDLE SCHOOL

EXISTING WALKERSVILLE PARKING
EXISTING PARKING.....144
EXISTING ACCESSIBLE PARKING.....2

NUMBER OF CLASSROOMS.....55
NUMBER OF CLASSROOMS IN PORTABLES.....0

PARKING REQUIRED
(2X NUMBER OF CLASSROOMS)
TOTAL REQUIRED.....110

PROPOSED PARKING PROVIDED:
VISITOR.....20
FACULTY/STAFF.....104
TOTAL.....124

BUS (PICK UP AND DROP OFF).....16

ACCESSIBLE PARKING REQUIRED.....5
ACCESSIBLE PARKING PROVIDED.....5
LOADING PROVIDED.....17 SPACES
(1 LOADING SPACE FOR DELIVERIES AND 16 FOR BUS PICK UP AND DROP OFF)
FCPS STATES THAT DELIVERIES ARE BY STEP VANS ONLY. (NO TRACTOR TRAILERS)

ROCK CREEK SCHOOL

NUMBER OF CLASSROOMS.....28
NUMBER OF CLASSROOMS IN PORTABLES.....0

PARKING REQUIRED
(2X NUMBER OF CLASSROOMS)
TOTAL REQUIRED.....56

PROPOSED PARKING PROVIDED:
VISITOR.....20
FACULTY/STAFF.....119
TOTAL.....139
BUS (PICK UP AND DROP OFF).....16

ACCESSIBLE PARKING REQUIRED.....5
ACCESSIBLE PARKING PROVIDED.....14
(ADDITIONAL HANDICAP PARKING DUE TO NEEDS OF THE SCHOOL POPULATION)
LOADING PROVIDED.....17 SPACES
(1 LOADING SPACE FOR DELIVERIES AND 16 FOR BUS PICK UP AND DROP OFF)
FCPS STATES THAT DELIVERIES ARE BY STEP VANS ONLY. (NO TRACTOR TRAILERS)

W/S CONTRACT# 286C-S

FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: _____
DISTRICT MANAGER

DATE: _____

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

DISTURBED AREA QUANTITY
NOT FOR BIDDING PURPOSES

THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY _____ SQ. FT. (___.___ AC.) AND THE TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE APPROXIMATELY _____ CU. YDS. OF EXCAVATION AND APPROXIMATELY _____ CU. YDS. OF FILL.

NAME:_____ DATE:_____

PRINTED NAME: SHAWN P. BENJAMINSON, P.E.

ENGINEER/ARCHITECT DESIGN CERTIFICATION

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 08.05.01 AND 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

26524
SIGNATURE REG. NO. DATE

PRINTED NAME: SHAWN P. BENJAMINSON, PE

OWNER/DEVELOPER CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

BRIAN STAICER, SENIOR PROJECT MANAGER
OWNER/DEVELOPER (NAME & TITLE PRINTED) DATE

301-644-5149
SIGNATURE TELEPHONE

ENGINEER:
ADTEK ENGINEERS, INC.
150 SOUTH EAST STREET, SUITE 201
FREDERICK, MARYLAND 21701
ATTN: SHAWN BENJAMINSON, P.E.
PHONE: 301-662-4408
FAX: 301-662-7484

OWNER/APPLICANT
FREDERICK COUNTY PUBLIC SCHOOLS
191 SOUTH EAST STREET
FREDERICK, MARYLAND 21701
ATTN: BRIAN STAIGER
TEL: 240-626-8981 FAX: 301-644-5027

ARCHITECT:
PROFFITT & ASSOCIATES ARCHITECTS, P.C.
49 SOUTH CARROLL STREET
FREDERICK, MD 21701
ATTN: KORI PURDUM MATHEIS, RA
PHONE: 301-662-8532
FAX: 301-662-4192

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____
DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____
STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED INFORMATION AND DATA FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

COVER SHEET

C-0

BID SET
FCPS #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

ISSUE

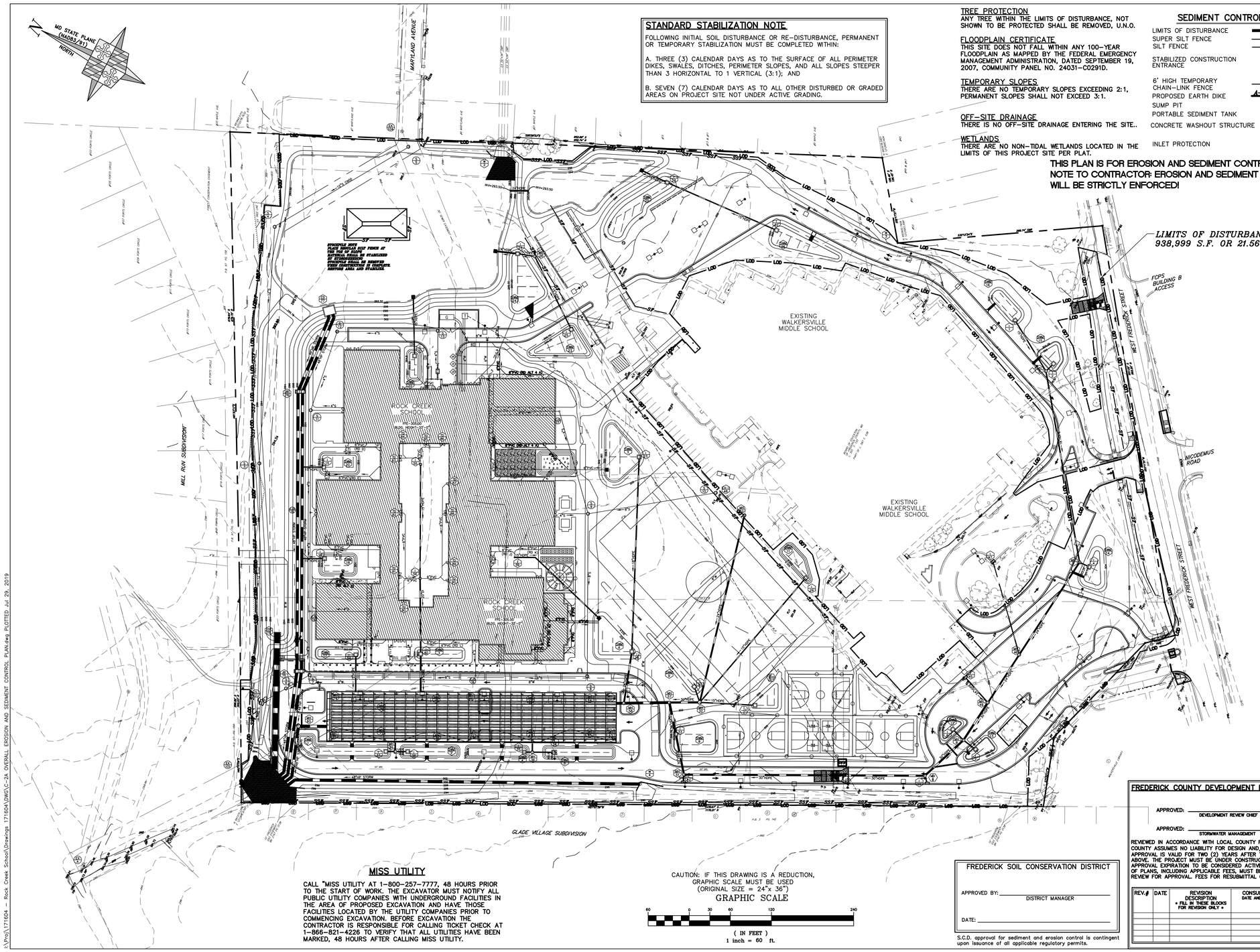
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

COVER SHEET

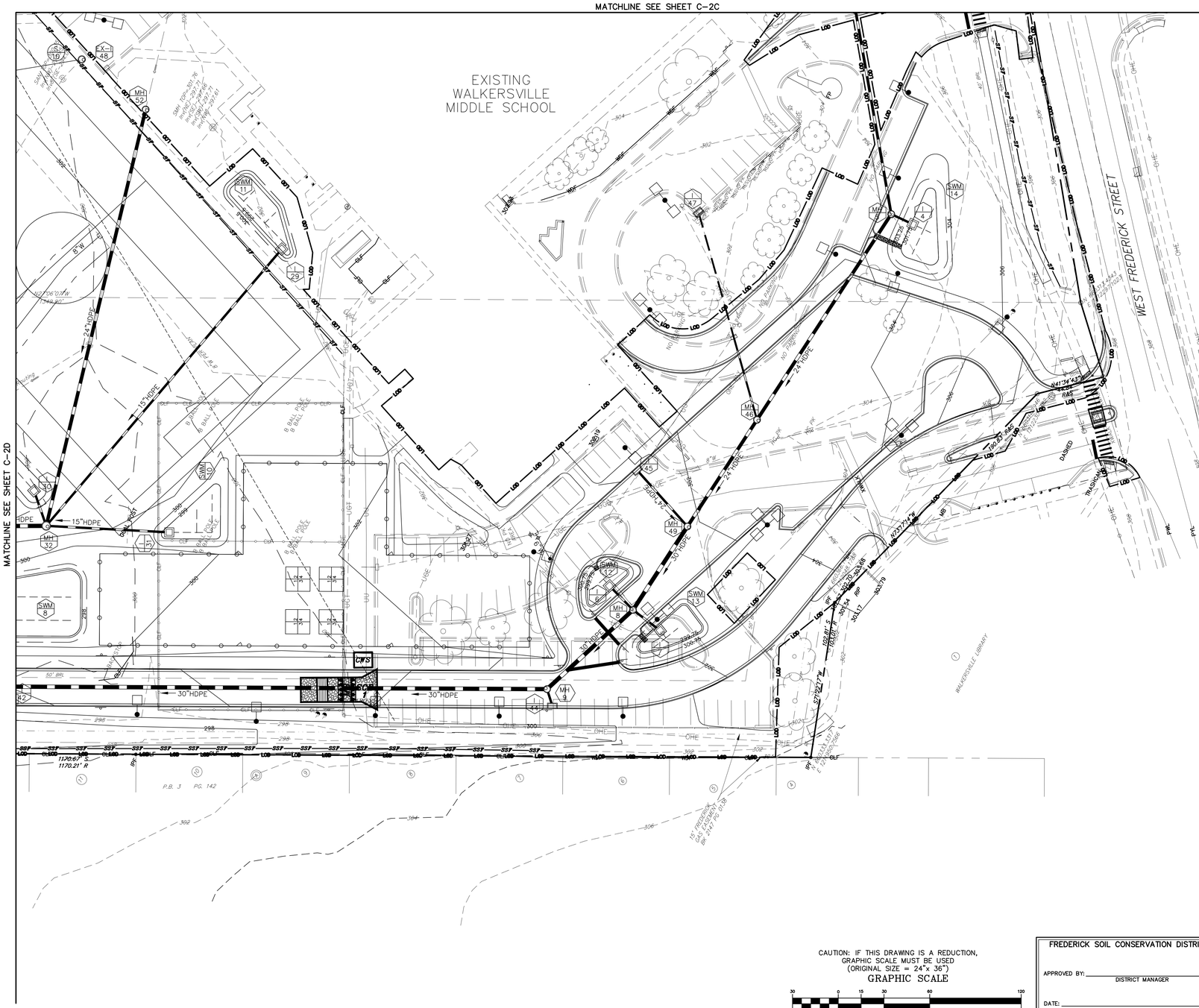
C-0

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-0 COVER SHEET.dwg PLOTTED Jul 29, 2019


MD STATE PLANE (NAD83/91)
NORTH
MARYLAND AVENUE
MILL RUN SUBDIVISION
GLADE VILLAGE SUBDIVISION
ROCK CREEK SCHOOL
EXISTING WALKERSVILLE MIDDLE SCHOOL
WEST FREDERICK STREET
MD STATE HIGHWAY
NICODEMUS ROAD
LIMITS OF DISTURBANCE
938,999 S.F. OR 21.56 AC
FCPS BUILDING B ACCESS
STRUCTURE PROTECTION
PLACE SILT FENCE AT THE TOE OF SLOPE. ALL AREAS SHALL BE STABILIZED WITHIN 7 DAYS. SILT FENCE SHALL BE REMOVED WHEN CONSTRUCTION IS COMPLETE, MAINTAIN AREA AND STABILIZE.
SF SF
SSF SSF
LOD
GDT
SSP
SP
SCE
A-2 A-2
CIP
CWS
FST
SSP
SP
SSF
SF
LOD
GDT
SCE

MATCHLINE SEE SHEET C-2C

MATCHLINE SEE SHEET C-2D



SEDIMENT CONTROL LEGEND

- LIMITS OF DISTURBANCE
- SUPER SILT FENCE — SSF
- SILT FENCE — SF
- STABILIZED CONSTRUCTION ENTRANCE — SCE
- 6' HIGH TEMPORARY CHAIN-LINK FENCE
- PROPOSED EARTH DIKE — A-A
- SUMP PIT — SP
- PORTABLE SEDIMENT TANK — PST
- CONCRETE WASHOUT STRUCTURE — CWS
- INLET PROTECTION — CIP

MISS UTILITY

CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY.

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL ONLY. NOTE TO CONTRACTOR: EROSION AND SEDIMENT CONTROL WILL BE STRICTLY ENFORCED!

NOTE:
MAINTAIN POSITIVE DRAINAGE TO TRAP AT ALL TIMES.

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: _____ DISTRICT MANAGER

DATE: _____

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

EROSION AND SEDIMENT CONTROL PLAN

C-2B

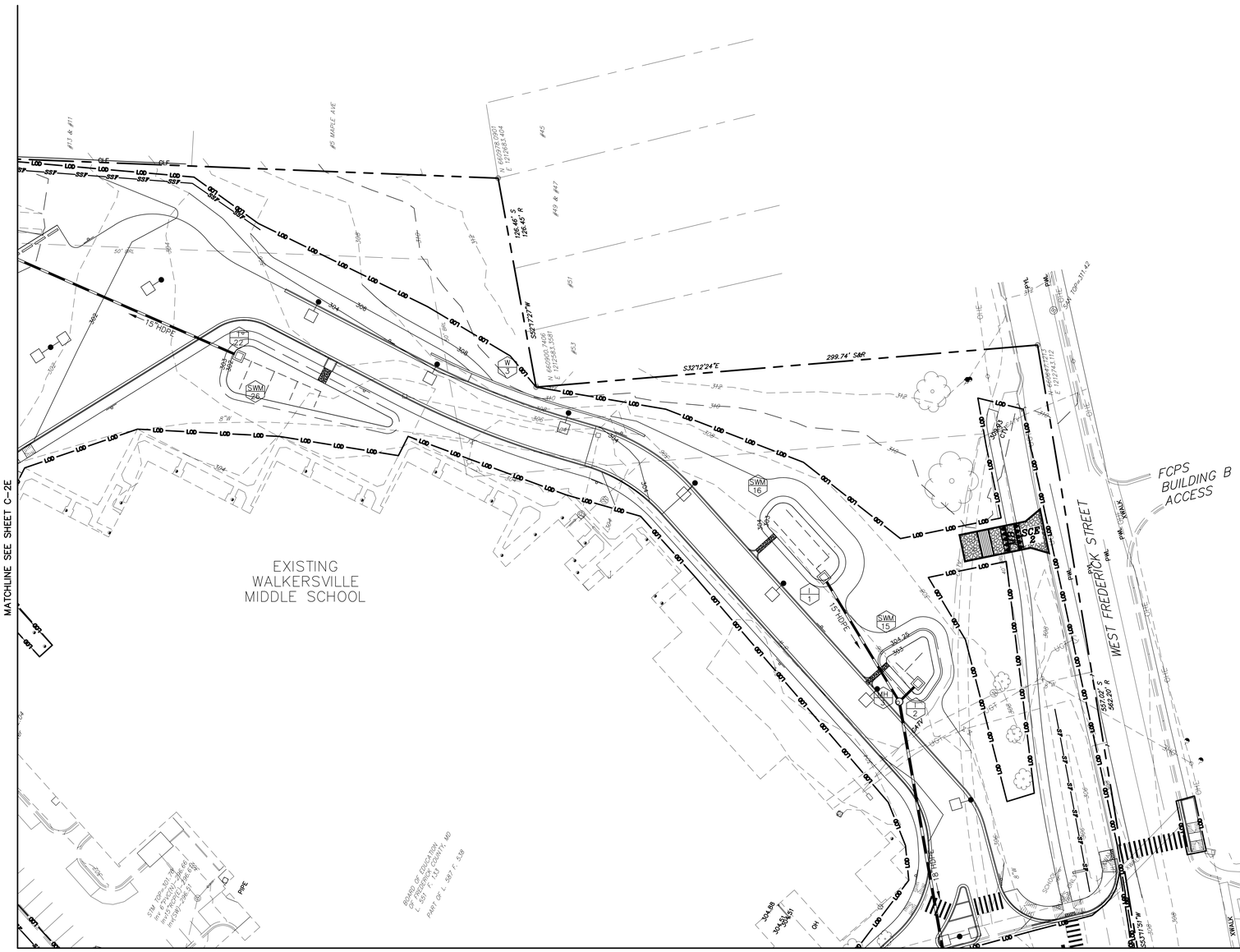
NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
EROSION AND SEDIMENT CONTROL PLAN
C-2B

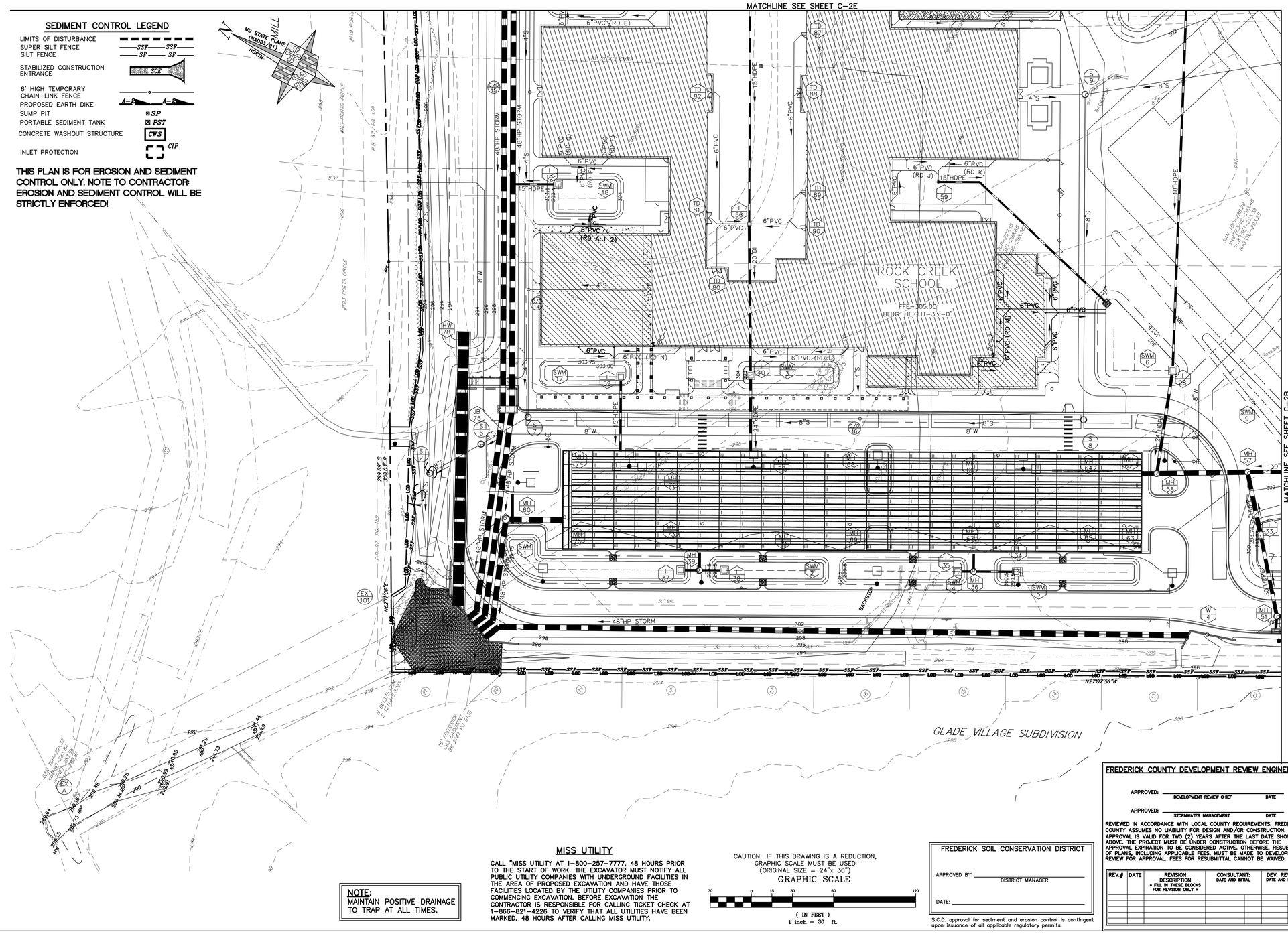
I:\Proj\171604 – Rock Creek School\Drawings 171604\DWG\C-2B EROSION AND SEDIMENT CONTROL PLAN.dwg PLOTTED Jul 29, 2019


MATCHLINE SEE SHEET C-2E
MATCHLINE SEE SHEET C-2B
EXISTING
WALKERSVILLE
MIDDLE SCHOOL
#13 & #11
#5 MAPLE AVE
#45
#49 & #47
#51
#53
N 660978.1401
E 1212661.3504
125.46' S
126.45' R
S32°17'21"W
S32°12'24"E
299.74' S&R
N 660900.7458
E 1212581.3328
15" HDPE
SWM 26
SWM 16
SWM 15
18" HDPE
SCE
FCPS BUILDING B ACCESS
WEST FREDERICK STREET
MD 144
N 660742.2112
E 1212743.1712
S57°19'51"W
S57°19'51"W 342.20' R
S57°19' S
342.20' R
NICODEMUS ROAD
CMP TOPS=311.42
CMP TOPS=311.42
CMP TOPS=311.42

SEDIMENT CONTROL LEGEND

LIMITS OF DISTURBANCE	
SUPER SILT FENCE	SSF SSF
SILT FENCE	SF SF
STABILIZED CONSTRUCTION ENTRANCE	SCE
6' HIGH TEMPORARY CHAIN-LINK FENCE	
PROPOSED EARTH DIKE	A-2 A-2
SUMP PIT	SP
PORTABLE SEDIMENT TANK	PST
CONCRETE WASHOUT STRUCTURE	CWS
INLET PROTECTION	CIP

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL ONLY. NOTE TO CONTRACTOR: EROSION AND SEDIMENT CONTROL WILL BE STRICTLY ENFORCED!



NOTE:
MAINTAIN POSITIVE DRAINAGE TO TRAP AT ALL TIMES.

MISS UTILITY
CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY.

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: _____ DISTRICT MANAGER

DATE: _____

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-2D EROSION AND SEDIMENT CONTROL PLAN.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

EROSION AND SEDIMENT CONTROL PLAN

C-2D

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

BID SET
FCPS #19C14

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

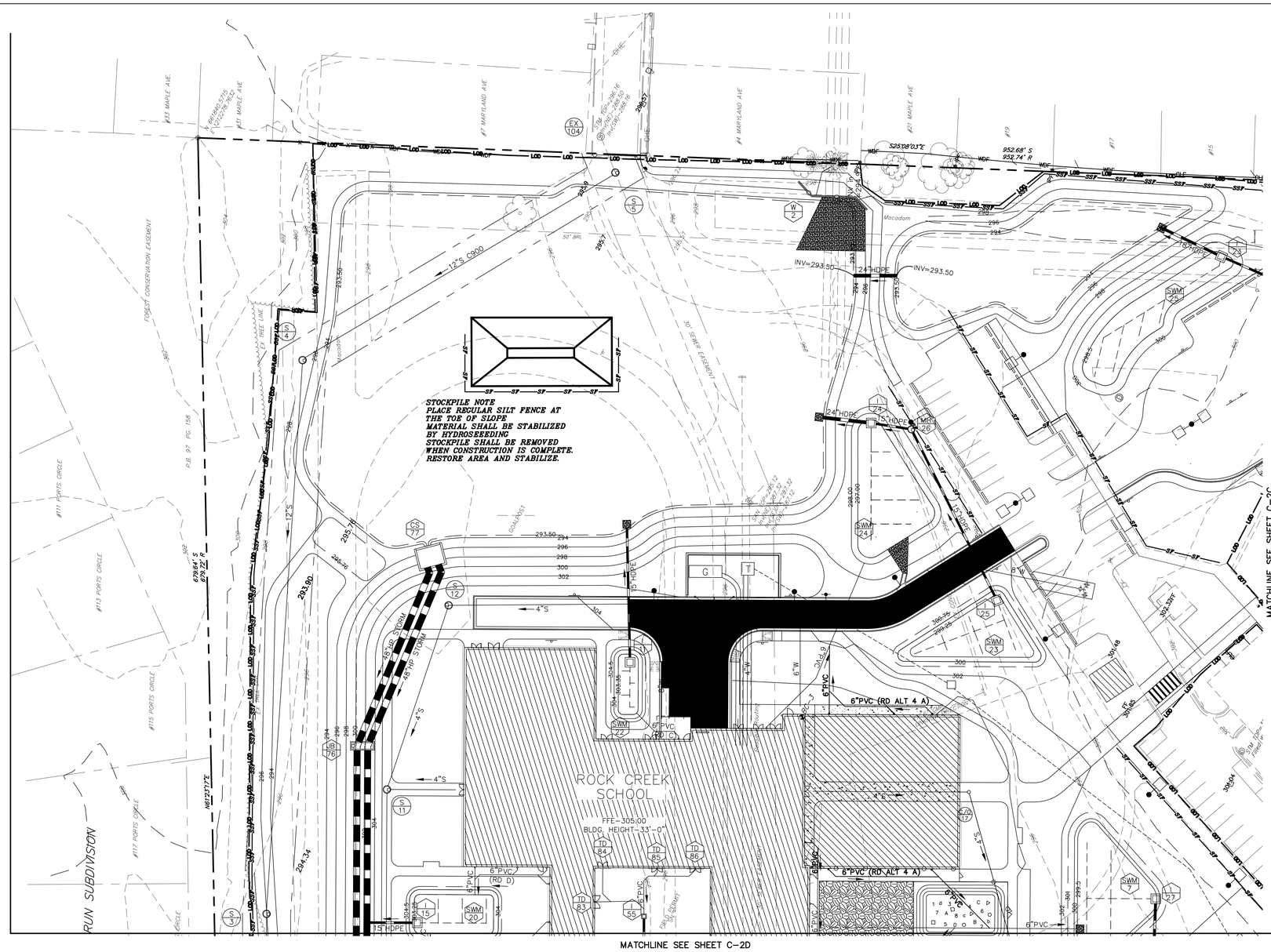
ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

EROSION AND SEDIMENT CONTROL PLAN

C-2D



STOCKPILE NOTE
PLACE REGULAR SILT FENCE AT THE TOE OF SLOPE
MATERIAL SHALL BE STABILIZED BY HYDROSEEDING
STOCKPILE SHALL BE REMOVED WHEN CONSTRUCTION IS COMPLETE.
RESTORE AREA AND STABILIZE.

MD STATE PLANE (NAD83/91) NORTH

SEDIMENT CONTROL LEGEND

- LIMITS OF DISTURBANCE
- SUPER SILT FENCE — SSF
- SILT FENCE — SF
- STABILIZED CONSTRUCTION ENTRANCE — SCE
- 6' HIGH TEMPORARY CHAIN-LINK FENCE
- PROPOSED EARTH DIKE — A-2 / A-2a
- SUMP PIT — SP
- PORTABLE SEDIMENT TANK — PST
- CONCRETE WASHOUT STRUCTURE — CWS
- INLET PROTECTION — CIP

MISS UTILITY

CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY.

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL ONLY. NOTE TO CONTRACTOR: EROSION AND SEDIMENT CONTROL WILL BE STRICTLY ENFORCED!

NOTE:
MAINTAIN POSITIVE DRAINAGE TO TRAP AT ALL TIMES.

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: _____ DISTRICT MANAGER

DATE: _____

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED INFORMATION FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

EROSION AND SEDIMENT CONTROL PLAN

C-2E

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED INFORMATION FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

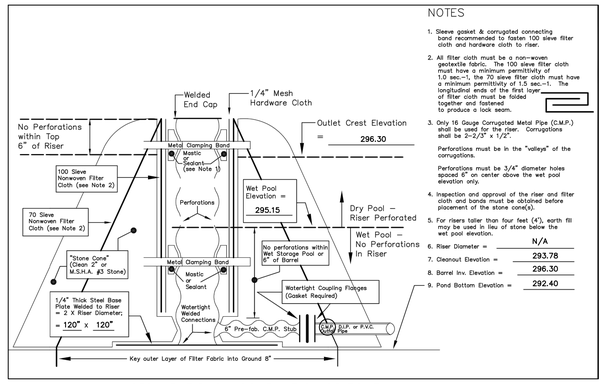
PROJECT NO.: 2017171.00
DATE: 07-01-2019

EROSION AND SEDIMENT CONTROL PLAN

C-2E

BID SET
FCPS #19C14

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-2E EROSION AND SEDIMENT CONTROL PLAN.dwg PLOTTED Jul 29, 2019



NOTES

1. Sleeve gasket & corrugated connecting band recommended to fasten 100 sieve filter cloth and hardware cloth to riser.
2. All filter cloth must be a non-woven geotextile fabric. The 100 sieve filter cloth must have a minimum permittivity of 1.0 sec.$^{-1}$, the 70 sieve filter cloth must have a minimum permittivity of 1.5 sec.$^{-1}$. The longitudinal ends of the first layer of filter cloth must be folded together and fastened to produce a lock seam.
3. Only 16 Gauge Corrugated Metal Pipe (C.M.P.) shall be used for the riser. Corrugations shall be 2-2/3" x 1/2".
   Perforations must be in the "valleys" of the corrugations.
   Perforations must be 3/4" diameter holes spaced 6" on center above the wet pool elevation only.
4. Inspection and approval of the riser and filter cloth and bands must be obtained before placement of the stone cone(s).
5. For risers taller than four feet (4'), earth fill may be used in lieu of stone below the wet pool elevation.

6. Riser Diameter =	N/A
7. Cleanout Elevation =	293.78
8. Barrel Inv. Elevation =	296.30
9. Pond Bottom Elevation =	292.40

SEDIMENT BASIN SCHEMATIC HORIZONTAL DRAW-DOWN DEVICE

SEDIMENT & EROSION CONTROL NOTES

1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AS APPROVED BY THE COUNTY.
2. ALL DISTURBED AREAS NOT UNDER ANTIVE GRADING TO BE TO BE SEEDED WITHIN 7 DAYS OF INITIAL GRADING. FOR TEMPORARY SEEDING SPECIFICATIONS, SEE SECTION B1, "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AT THE INITIATION OF GRADING.
4. ALL STORM DRAIN AND SANITARY SEWER LINES NOT IN PAVED AREAS AND NOT SUBJECT TO ACTIVE GRADING ARE TO BE MULCHED & SEEDED WITHIN 7 DAYS AFTER INITIAL BACKFILL.
5. ELECTRIC POWER, TELEPHONE AND GAS LINES NOT IN ACTIVE GRADING AREAS ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 7 DAYS AFTER INITIAL BACKFILL.
6. ALL EARTH BERMS AND SEDIMENT DAMS ARE TO BE MULCHED AND SEEDED (SEE SECTION B OF ABOVE REFERENCE) WITHIN 7 DAYS AFTER GRADING. ALL SOIL STOCKPILES ARE TO BE MULCHED AND SEEDED WITHIN 7 DAYS.
7. DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER. (SEE SECTION B OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE).
8. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
9. AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY MULCHED AND SEEDED. (SEE SECTION B)
10. NO SLOPE SHALL BE GREATER THAN 2:1.
11. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THIS DOES NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".
12. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN CONTINUOUS COMPLIANCE WITH THE LATEST VERSION OF THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
13. ALL UTILITIES SUCH AS STORM DRAIN, PUBLIC WATER, SANITARY SEWER, ELECTRIC POWER, TELEPHONE CABLE AND GAS LINES, THAT ARE NOT IN PAVED AREAS AND ARE NOT UNDERGOING ACTIVE GRADING SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 3 DAYS OF INITIAL DISTURBANCE.
14. THE OWNER DEVELOPER OR THEIR DESIGNATE IS RESPONSIBLE FOR CONDUCTING ROUTINE MAINTENANCE. THE SITE AND CONTROLS SHOULD BE INSPECTED WEEKLY AND THE NEXT DAY AFTER EACH RAIN EVENT**. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN A SUITABLE AREA AND SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED.

** ANY PROJECT THAT HAS A STATE ISSUED N.O.I. PERMIT MUST DOCUMENT EACH INSPECTION AND MAINTAIN AN INSPECTION LOG
(PLEASE SEE NOI FOR DETAILS)

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL ONLY. NOTE TO CONTRACTOR: EROSION AND SEDIMENT CONTROL WILL BE STRICTLY ENFORCED!

MISS UTILITY

CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY.

SEDIMENT CONTROL/STORMWATER MANAGEMENT REQUIRED INSPECTIONS

***** NOTICE *****

YOU MUST NOTIFY THE SEDIMENT CONTROL AND STORMWATER MANAGEMENT OFFICE 24 HOURS PRIOR TO THE REQUIRED INSPECTION. (SEE SEQUENCE OF CONSTRUCTION FOR PHONE NUMBER) FAILURE TO NOTIFY THIS OFFICE WILL RESULT IN A STOP WORK ORDER OR OTHER PENALTIES AS OUTLINED IN FREDERICK COUNTY CODES.

TYPE OF INSPECTION	MISC. COMMENTS/INITIALS
1) PRE-CONSTRUCTION	
2) COMPLETION OF SEDIMENT CONTROL MEASURES (IF USING BASIN SEE #6 BELOW)	
3) PRIOR TO MODIFICATION OR REMOVAL OF SEDIMENT CONTROL	
4) INFILTRATION SYSTEMS A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. INFILTRATION AREA PROTECTED FROM SEDIMENTATION C. DIMENSIONS D. FILTERING MATERIAL (TYPE/DEPTH) E. FILL MATERIAL F. SIZE, PLACEMENT, TYPE OF PIPING (IF APPLICABLE) G. OBSERVATION WELL H. COVER/STABILIZATION	
5) OPEN CHANNEL FLOW ATTENUATION A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. CROSS SECTION CONFORMANCE C. MATERIAL (TYPE/SIZE) D. STABILIZATION	
6) RETENTION/DETENTION STRUCTURES (BASINS/PONDS) A. SUBGRADE PREPERATION 1. CORE TRENCH 2. SUITABLE MATERIAL/COMPACTION B. EMBANKMENT CONSTRUCTION 1. SUITABLE MATERIAL/COMPACTION 2. SLOPE GRADE 3. DIMENSIONS C. BARREL AND RISER ASSEMBLY 1. CORRECT MATERIAL ONSITE 2. SIZING 3. ANTI-SEEP COLLARS 4. ANTI-FLOTATION DEVICE 5. CONCRETE CRADLE (RCP ONLY) 6. INSTALLATION/BACKFILL/COMPACTION D. CONTROL STRUCTURES 1. FOOTER DIMENSIONS 2. REINFORCING MATERIAL (TYPE, SIZE, PLACEMENT) 3. WEIR POUR/MATERIAL/SLUMP TEST 4. FORM STRIP AND FINISHING E. IMPOUNDING AREA 1. LOW FLOW CHANNELS/STABILIZATION 2. DEWATERING DEVICE 3. EMERGENCY SPILLWAY 4. EXTENDED DETENTION DEVICE F. OUTFALL AREA (LEVEL SPREADER, RIPRAP CHANNEL, ETC.) G. VEGETATIVE STABILIZATION H. MISCELLANEOUS	

THIS LIST IS FOR SEQUENCE OF CONSTRUCTION ONLY. THIS OFFICE ASSUMES NO RESPONSIBILITY OR LIABILITY FOR IMPROPER INSTALLATION OF ANY ITEM ON THIS CHECKLIST. THIS OFFICE RECOMMENDS THAT A PROFESSIONAL ENGINEER BE PRESENT FOR EACH OF THE REQUIRED INSPECTIONS.

SEQUENCE OF CONSTRUCTION

PHASE 1 – OCTOBER 2019 TO JANUARY 2020

1. PRIOR TO CLEARING OF TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE FREDERICK COUNTY SEDIMENT CONTROL INSPECTOR (301) 600-3507, ENVIRONMENTAL COMPLIANCE (301) 600-3507, FREDERICK COUNTY PUBLIC SCHOOLS' REPRESENTATIVE, (301) 644-5176, THE TOWN OF WALKERSVILLE REP. (301) 845-4500, & THE DESIGN ENGINEER, (301) 662-4408. MINIMUM OF 48 HOURS NOTICE
2. IF WORK ACTIVITIES ARE TEMPORARILY SUSPENDED FOR ANY REASON R LONGER THAN 7 CALENDAR DAYS, PROVIDE TEMPORARY STABILIZATION PER THE EROSION AND SEDIMENT CONTROL NOTES FOR ALL DISTURBED AREAS. THESE AREAS MUST OCCUR ON THE 8TH CALENDAR DAY.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY, (800) 257-7777, A MINIMUM OF 3 WORKING DAYS PRIOR TO START OF CONSTRUCTION.
4. PERFORM CLEARING AND GRUBBING AND DEMOLITION AS REQUIRED FOR THE INSTALLATION OF THE PERIMETER SEDIMENT CONTROLS AS SHOWN ON THE PLANS, INCLUDING SUPER SILT FENCE, CONSTRUCTION FENCE, STABILIZED CONSTRUCTION ENTRANCE AND ANY DIVERSION BERMS AS SHOWN.
5. INSTALL BASE PAVING AND C&G FOR ACCESS ROAD TO SITE IN FRONT OF OLD LIBRARY.
6. ONCE THE SEDIMENT CONTROLS ARE IN PLACE, OBTAIN APPROVAL FROM THE ECS INSPECTOR PRIOR TO PROCEEDING WITH THE NEXT STEP.
7. BEGIN SEWER RELOCATION AND COORDINATE WITH FREDERICK COUNTY DUSWM.
8. BEGIN WATER RELOCATION AND COORDINATE WITH THE TOWN OF WALKERSVILLE.
9. AFTER SEWER AND WATER RELOCATIONS ARE COMPLETED TO A POINT ENOUGH TO BEGIN THE BOX CULVERT AND SWALE CONSTRUCTION BEGINNING AT THE LOWEST POINT WORKING UPHILL. BACKFILL AND STABILIZE AREA WITH SOD AS WORK PROCEEDS. BUILD SWALE TO THE AREA OF THE CONTROL STRUCTURE.
10. BUILD HEADWALL AND DOUBLE PIPE SYSTEM FROM HEADWALL AT OUTFALL TO CONTROL STRUCTURE. BUILD CONTROL STRUCTURE.
11. BUILDING PAD CONSTRUCTION CAN BEGIN IN A CUT AND COVER TYPE OF FILL PROCESS. REMOVE TOPSOIL AND PLACE STONE FILL.
12. CONCURRENTLY CONTRACTOR TO BEGIN STORMTRAP CONSTRUCTION. STRIP TOPSOIL AND PLACE LINER AND STONE SUBGRADE. CUT AND COVER SUBGRADE DAILY.
13. INSTALL DEWATERING DEVICE WITHIN THE STORMTRAP SYSTEM ASAP AS THE CONSTRUCTION OF THE SYSTEM OCCURS.
14. ONCE THE STORMTRAP IS ONLINE, REMOVE DIVERSION BERMS AND DIVERT ALL OF PHASE 1 AREA TO THE STORMTRAP.
15. INSTALL STORM STRUCTURES AND PIPING FROM STORMTRAP TO COURTYARD
16. INSTALL REMAINING STORM DRAIN PIPE AND STRUCTURES.
17. INSTALL REMAINING SANITARY SEWER TO SERVICE THE NEW BUILDING.
18. ROUGH GRADE ALL SWM AREAS BUT DO NOT INSTALL ANY PLANTING MEDIA UNTIL SITE IS STABILIZED.

PHASE 2 – JANUARY 2020 TO JUNE 2020 – WMS RECONFIGURATION

19. REPEAT SEQUENCE NO. 1 THRU NO. 4
20. INSTALL RETAINING WALL NO ____
21. STRIP TOPSOIL TO STOCKPILE
22. CUT/FILL ROADWAY AND PARKING LOT TO GRADE
23. INSTALL ALL STORM DRAIN AND SITE LIGHTING. SOME STORM DRAIN WILL EXTEND INTO PHASE 3 AREA TO PROVIDE OUTFALL FOR THE PHASE 2 AREA.
24. ROUGH GRADE ALL SWM AREAS HOWEVER DO NOT INSTALL PLANTING MEDIA
25. INSTALL STONE BASE, CURB AND GUTTER, SIDEWALKS AND BASE PAVING.
26. RESPREAD TOPSOIL AND STABILIZE ASAP.
27. ONCE TIE IN IS MADE TO THE EXISTING MIDDLE SCHOOL DRIVEWAY AND PHASE 2 AREA IS STABILIZED WITH SOD, REMOVE THE CONSTRUCTION ENTRANCE ON FREDERICK STREET.
28. INSTALL NEW SIDEWALK ALONG FREDERICK STREET. BACKFILL AND STABILIZE ASAP.

PHASE 3 – JUNE 2020 TO SEPTEMBER 2020 – RCS CONSTRUCTION CONTINUES, WMS RECONFIGURATION WMS RECONFIGURATION COMPLETES.

29. REPEAT SEQUENCE NO. 1 THRU NO. 4
30. MAKE THE CONNECTION BETWEEN THE NEW PARKING LOT AND THE EXISTING PARKING LOT BEHIND THE MIDDLE SCHOOL.
31. REMOVE THE EXISTING ROAD FROM MARYLAND AVE TO THE PARKING LOT.
32. INSTALL NEW STORM DRAIN PIPE AND GRADING AND STABILIZE WITH SOD ASAP.
33. INSTALL NEW SIDEWALK FROM MARYLAND AVE. TO THE MIDDLE SCHOOL.
34. INSTALL NEW BUS PARKING LOT AND ROADWAYS FOR WMS.
35. INSTALL ALL STORM DRAIN AND SWM. DO NOT INSTALL PLANTING MEDIA AT THIS TIME.
36. INSTALL ROUGH IN FOR SITE LIGHTING.
37. INSTALL CURB AND GUTTER, SIDEWALKS AND BASE PAVING.
38. STABILIZE ALL AREAS WITH SOD. INSTALL LANDSCAPE PLANTINGS.
39. INSTALL ALL SWM PLANTING MEDIA IN PHASE 2 AND 3 AREAS AND PROTECT.
40. INSTALL SURFACE ASPHALT ON ALL PHASE 2 AND 3 ROADWAYS AND PARKING AREAS AND INSTALL PAVEMENT MARKINGS AND NEW SIGNS.

PHASE 4 – SEPTEMBER 2020 TO MARCH 2021 – COMPLETE RCS CONSTRUCTION AND SITEWORK.

41. AS CONSTRUCTION ON RCS BEGINS TO WRAP UP, INSTALL SITE CONCRETE AND CURB AND GUTTER.
42. INSTALL ROUGH IN FOR SITE LIGHTING
43. BEGIN BASE PAVING AS AREAS BECOME AVAILABLE.
44. ONCE ALL AREAS HAVE BEEN STABILIZED AND WITH PERMISSION OF THE ECS INSPECTOR FLUSH ALL STORM DRAIN PIPES.
45. REMOVE SEDIMENT AND DEBRIS FROM INSIDE THE STORMTRAP AND REMOVE DEWATERING DEVICE.
46. ENCOMPASS FACILITIES WITH SILT FENCE UNTIL ALL UPSTREAM AREAS HAVE BEEN STABILIZED.
47. BEGIN FINAL CONSTRUCTION OF ALL SWM AREAS WITH THE INSTALLATION OF THE LINER, PIPING AND BIO MIX AND STABILIZE AND PROTECT ALL AREA IMMEDIATELY. PROVIDE AS-BUILT INFORMATION TO CIVIL ENGINEER PRIOR TO PLANTING LANDSCAPE.
48. ONCE AS-BUILTS HAVE BEEN CONFIRMED AND ACCEPTABLE, PROCEED WITH INSTALLATION OF LANDSCAPE PLANTINGS.
49. INSTALL ALL SURFACE ASPHALT AND PAVEMENT MARKINGS.
50. INSTALL REMAINING SITE APPURTENANCES INCLUDING FENCE AND LANDSCAPING. AREAS DISTURBED SHALL BE STABILIZED IMMEDIATELY.
51. ONCE ALL DISTURBED AREAS ARE STABILIZED, OBTAIN WRITTEN APPROVAL FROM ECS INSPECTOR TO REMOVE REMAINING SEDIMENT CONTROL DEVICES.
52. OBTAIN A FREDERICK COUNTY DEPARTMENT OF ENGINEERING APPROVED RECORD DRAWING OF ALL STORMWATER MANAGEMENT FACILITIES. CONTRACTOR SHALL FIELD SURVEY ALL INSTALLED STORMWATER MANAGEMENT DEVICES. FORWARD THE ELECTRONIC SURVEY TO THE ENGINEER OF RECORD FOR SUBMISSION OF AS-BUILT DOCUMENTS TO FREDERICK COUNTY DEPARTMENT OF ENGINEERING. ELECTRONIC COPY OF SURVEY MUST BE ACCOMPANIED BY A HARD COPY OF THE SURVEY SEALED BY A MARYLAND REGISTERED LAND SURVEYOR.
53. PRIOR TO FINAL CLOSEOUT, CONTRACTOR SHALL ENSURE THAT ALL STORMWATER MANAGEMENT FACILITIES ARE FREE OF DEBRIS AND SEDIMENT. SHOULD FACILITIES NEED TO BE CLEANED OUT, THE CONTRACTOR SHALL DO SO AT THIS TIME. ANY MATERIAL REMOVED FROM THESE FACILITIES SHALL NOT BE FLUSHED DOWN THE STORM DRAIN SYSTEM; IT SHALL BE DISPOSED OF OFF-SITE.
54. ARRANGE FOR AND OBTAIN ANY REQUIRED FINAL SITE INSPECTIONS AND CERTIFICATIONS.

FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: _____ DISTRICT MANAGER

DATE: _____

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

EROSION AND SEDIMENT NOTES

C-2H

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

BID SET
FCPS #19C14

ISSUE

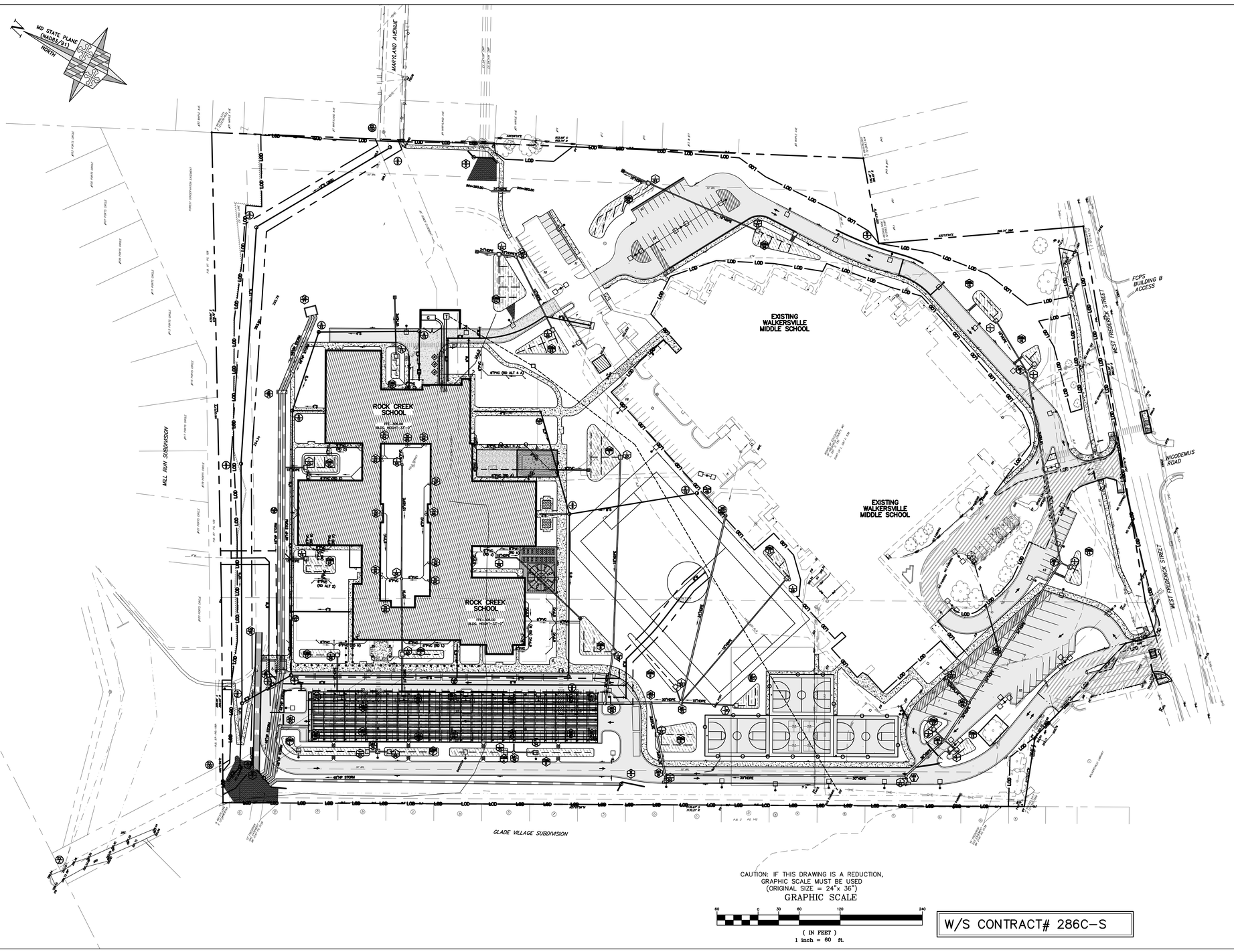
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

EROSION AND SEDIMENT NOTES

C-2H

I:\Proj\17160A - Rock Creek School\Drawings 17160A\DWG\C-2H EROSION AND SEDIMENT DETAILS.dwg PLOTTED Jul 29, 2019



CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

W/S CONTRACT# 286C-S

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3A OVERALL SITE PLAN.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
License No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

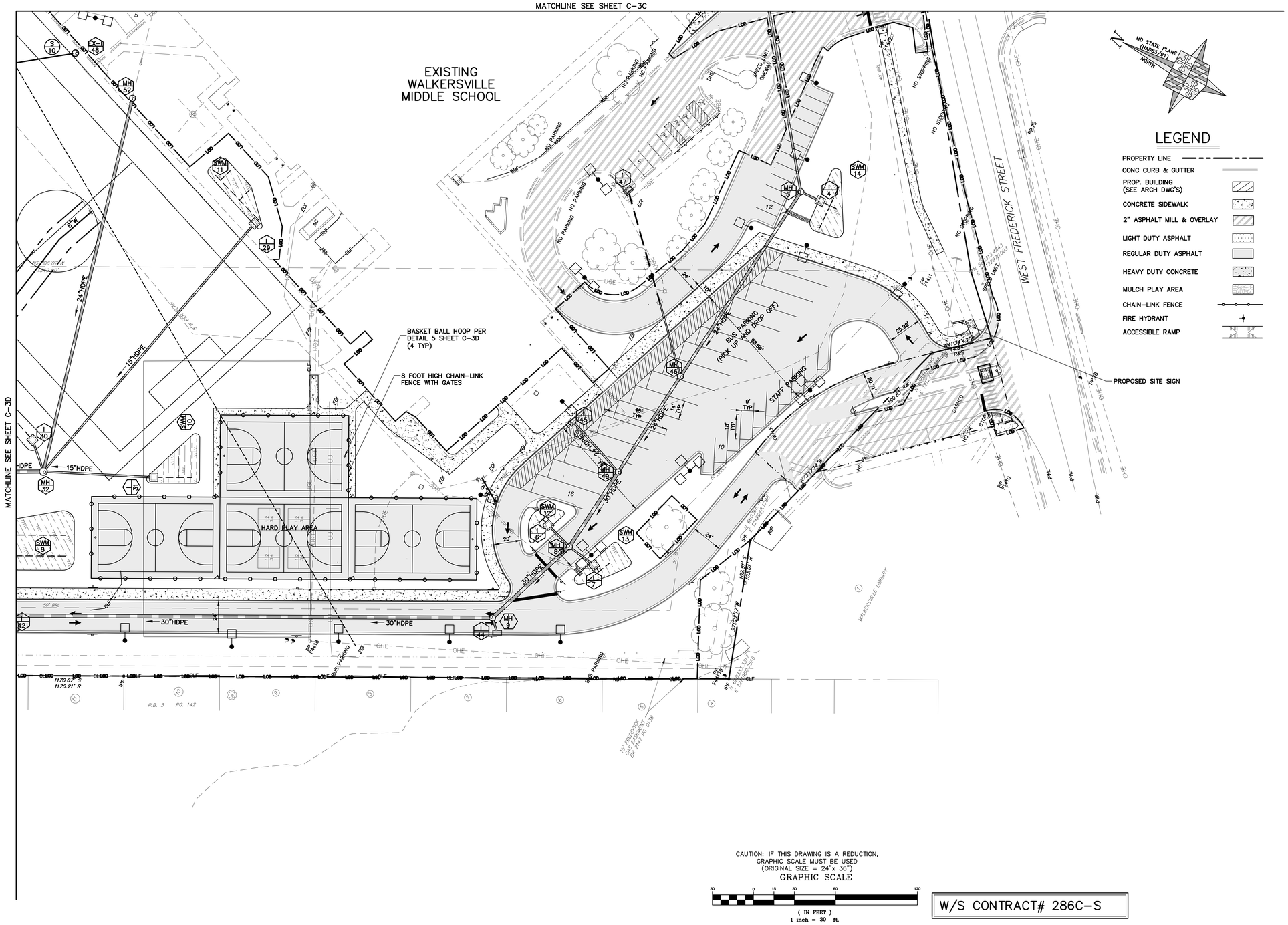
ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

OVERALL SITE PLAN

C-3A



CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

W/S CONTRACT# 286C-S

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3B SITE PLAN.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SITE PLAN

C-3B

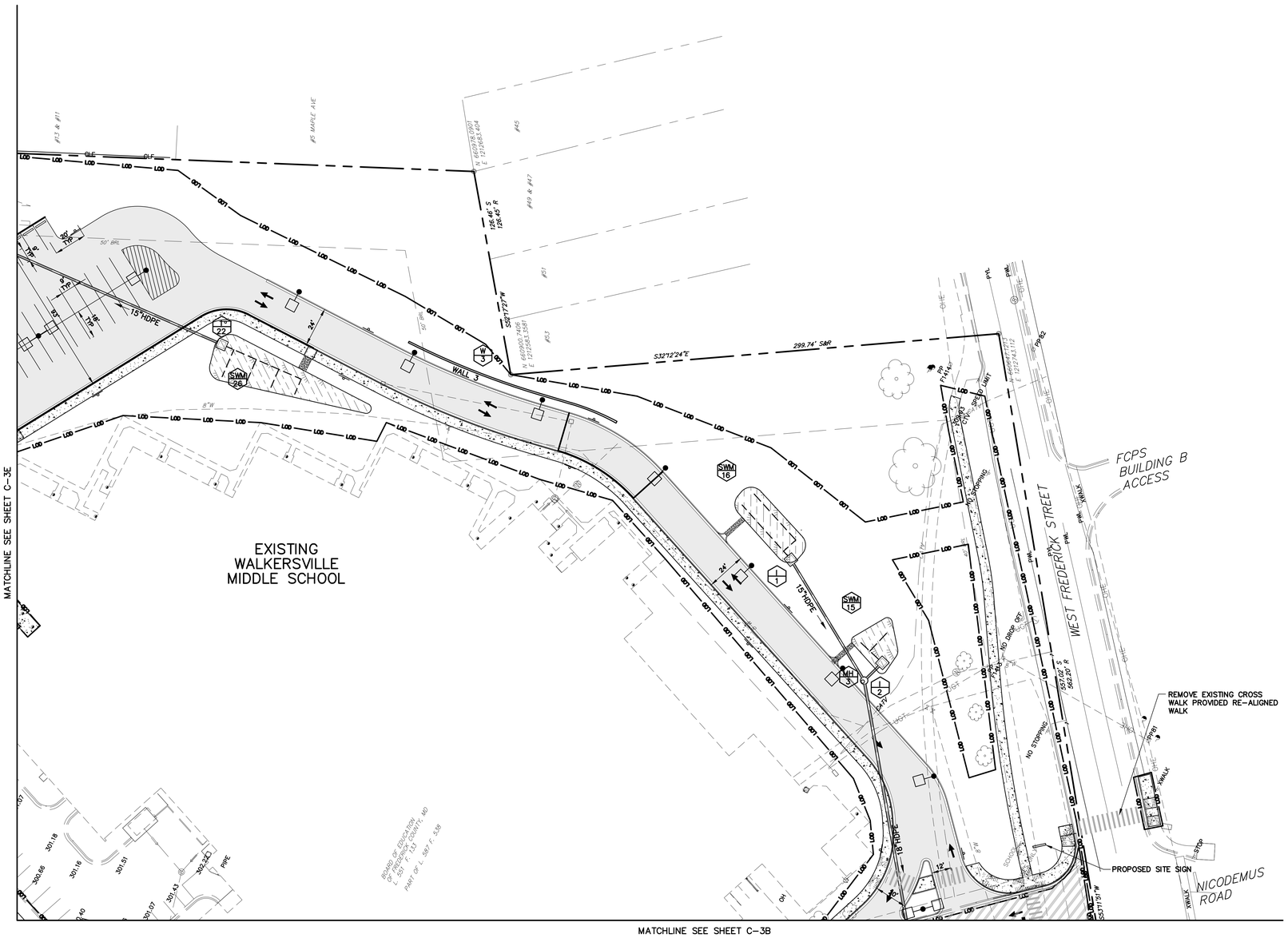
BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SITE PLAN

C-3B



LEGEND

- PROPERTY LINE
- CONC CURB & GUTTER
- PROP. BUILDING (SEE ARCH DWG'S)
- CONCRETE SIDEWALK
- 2" ASPHALT MILL & OVERLAY
- LIGHT DUTY ASPHALT
- REGULAR DUTY ASPHALT
- HEAVY DUTY CONCRETE
- MULCH PLAY AREA
- CHAIN-LINK FENCE
- FIRE HYDRANT
- ACCESSIBLE RAMP

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

W/S CONTRACT# 286C-S

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SITE PLAN

C-3C

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

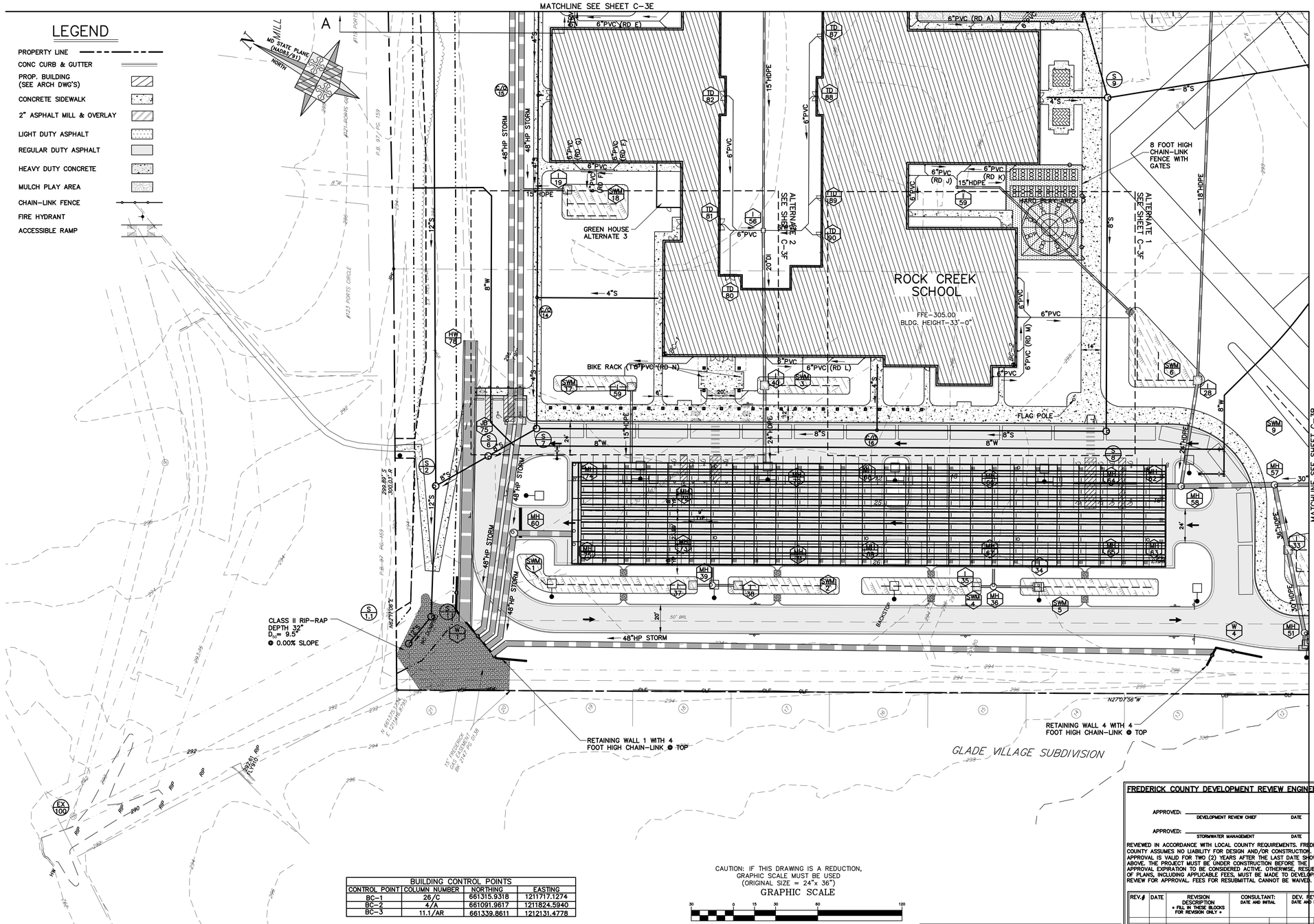
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SITE PLAN

C-3C

J:\Proj\171604 - Rock Creek School\Drawings - 171604\DWG\C-3C SITE PLAN.dwg PLOTTED Jul 29, 2019



BUILDING CONTROL POINTS			
CONTROL POINT	COLUMN NUMBER	NORTHING	EASTING
BC-1	26/C	661315.9318	1211717.1274
BC-2	4/A	661091.9617	1211824.5940
BC-3	11.1/AR	661339.8611	1212131.4778

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

W/S CONTRACT# 286C-S

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3D SITE PLAN.dwg PLOTTED Jul 30, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
SITE PLAN

C-3D

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

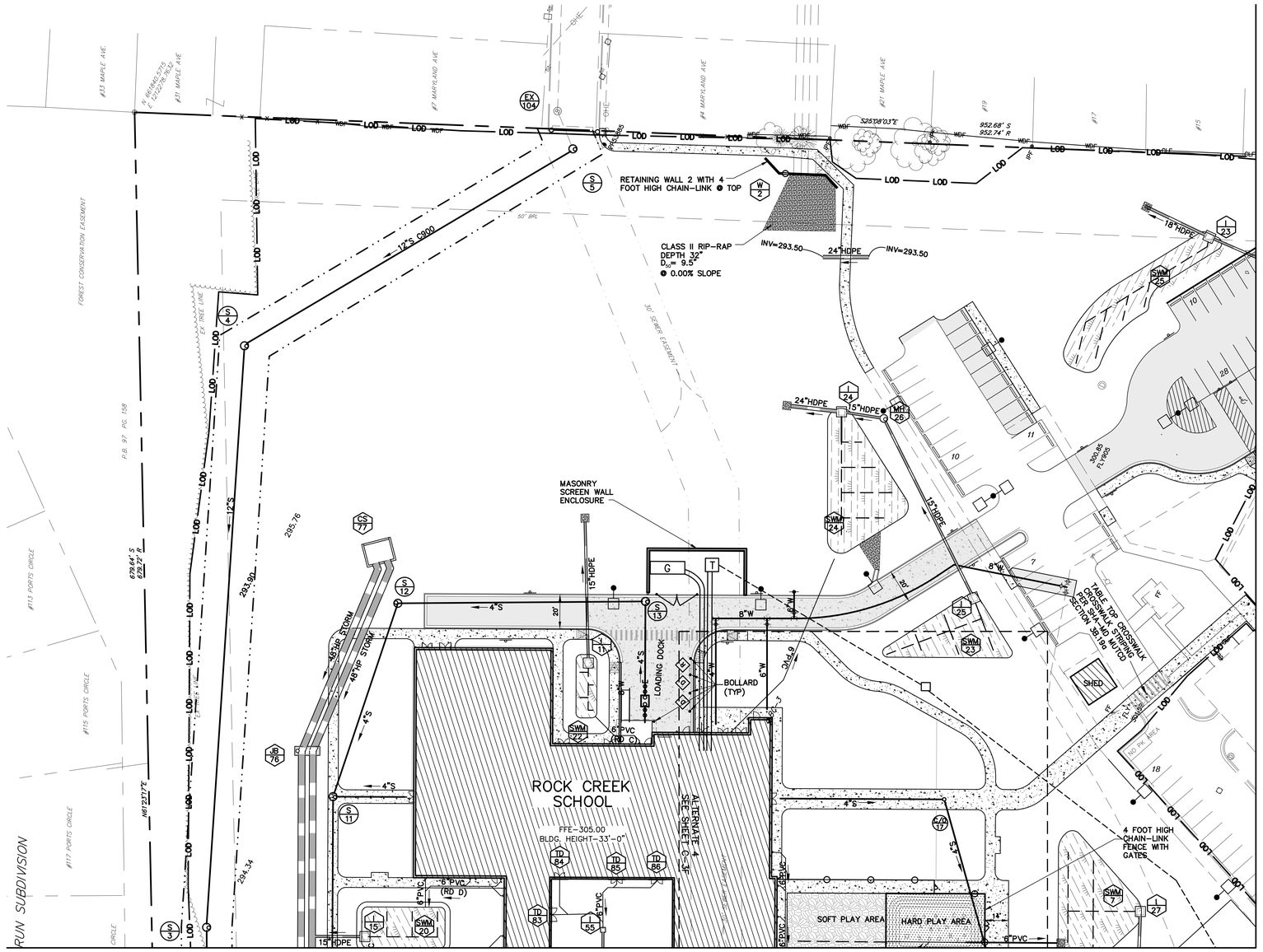
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
SITE PLAN

C-3D



LEGEND

- PROPERTY LINE
- CONC CURB & GUTTER
- PROP. BUILDING (SEE ARCH DWG'S)
- CONCRETE SIDEWALK
- 2" ASPHALT MILL & OVERLAY
- LIGHT DUTY ASPHALT
- REGULAR DUTY ASPHALT
- HEAVY DUTY CONCRETE
- MULCH PLAY AREA
- CHAIN-LINK FENCE
- FIRE HYDRANT
- ACCESSIBLE RAMP

MD STATE PLANE (NAD83/91) NORTH

BUILDING CONTROL POINTS			
CONTROL POINT	COLUMN NUMBER	NORTHING	EASTING
BC-1	26/C	661315.9318	1211717.1274
BC-2	4/A	661091.9617	1211824.5940
BC-3	11.1/AR	661339.8611	1212131.4778

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

W/S CONTRACT# 286C-S

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SITE PLAN

C-3E

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

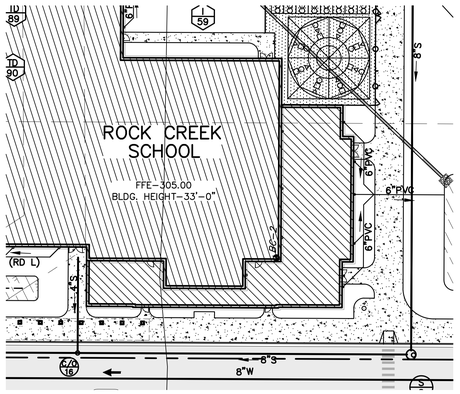
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SITE PLAN

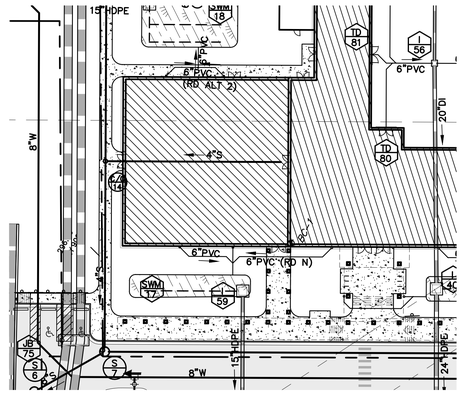
C-3E

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3E SITE PLAN.dwg PLOTTED Jul 29, 2019



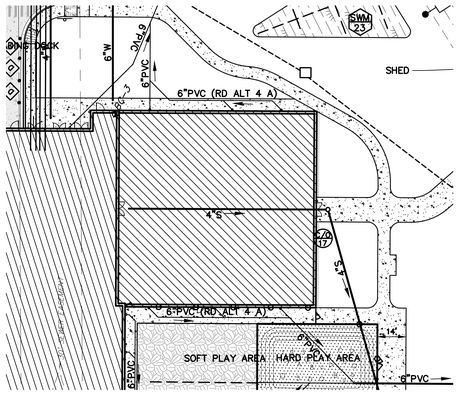
ALTERNATE 1
PARKS AND REC

SCALE 1"=30'



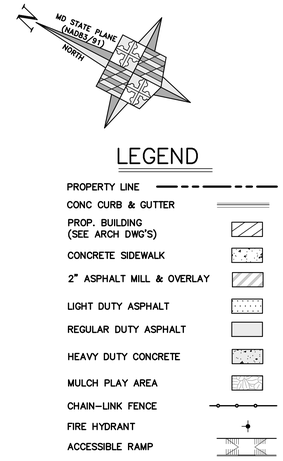
ALTERNATE 2
ALTERNATIVE WING

SCALE 1"=30'



ALTERNATE 4
MIDDLE SCHOOL WING

SCALE 1"=30'



CAUTION: IF THIS DRAWING IS A REDUCTION,
GRAPHIC SCALE MUST BE USED
(ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL,
SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

ALTERNATE PLAN

C-3F

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL,
SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

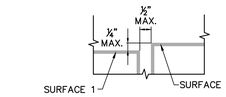
ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

ALTERNATE PLAN

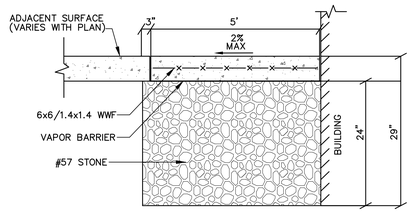
C-3F

J:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3F ALTERNATE PLAN.dwg PLOTTED Jul 29, 2019



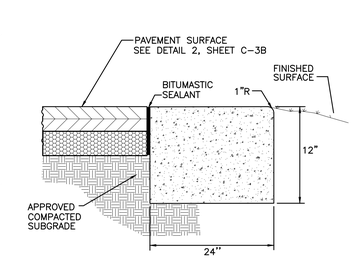
NOTES:
1. ACCESSIBLE WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL HAVE A CONTINUOUS SURFACE, NOT INTERRUPTED BY ABRUPT CHANGES IN VERTICAL ELEVATION EXCEEDING ¼".
2. TRANSITIONS WITHIN THE ACCESSIBLE ROUTE FOR RAMPS TO WALKS, GUTTERS, OR VEHICULAR PATHS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES IN VERTICAL ELEVATION EXCEEDING ¼".
3. THE MAXIMUM OF ANY JOINT, OPENING, OR GAP BETWEEN ANY TWO ADJACENT SURFACES ALONG AN ACCESSIBLE ROUTE SHALL BE ½".

1 C-3J — CHANGES IN VERTICAL ELEVATION DETAIL
NOT TO SCALE

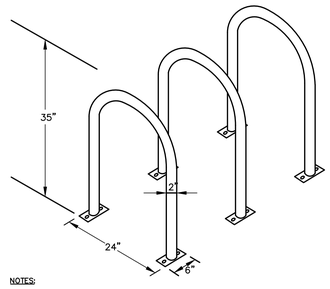


NOTES:
- THIS DETAIL TYPICAL FOR 5' CLEAR OUTSIDE ALL DOORWAYS.
- INSTALL EXPANSION JOINT WHERE BUTTS UP TO REGULAR CONCRETE SIDEWALK SECTION

2 C-3J — SIDEWALK SUPPORT
NOT TO SCALE



3 C-3J — DEPRESSED CURB DETAIL
NOT TO SCALE

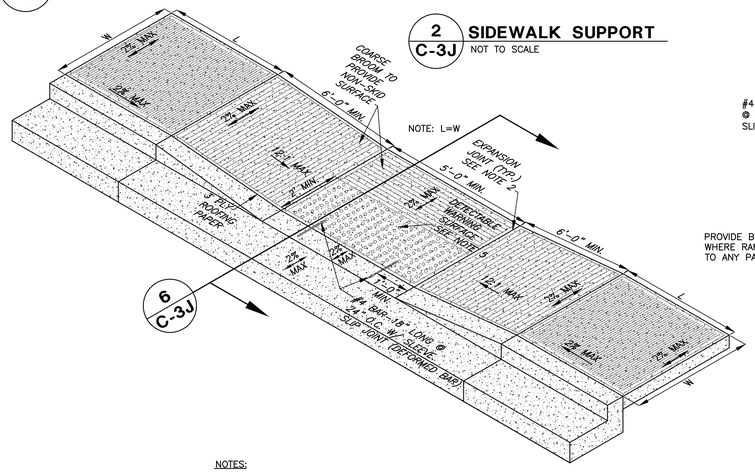


NOTES:
- DETAIL SHOWN PER FREDERICK COUNTY PREFERRED "U RACK" DESIGN
- BIKE RACK TO BE VICTOR STANLEY MODEL BRWS-101 OR APPROVED EQUAL.
- DIMENSIONS SHOWN MAY VARY BY MANUFACTURER AND MODEL
- RACK PLACEMENT RULES:

a. 5' FROM FIRE HYDRANT AND CROSSWALK
b. 4' FROM LOADING ZONE, BUS STOP, BUS SHELTER AND BUS BENCH
c. 2' MIN FROM CURB, RECOMMENDED 3' FROM CURB.
d. 3' FROM PARKING METER, NEWSPAPER RACK, MAILBOX, LIGHT POLE, SIGN, DRIVEWAY, TREE SPACE, TRASH CAN, UTILITY METER & MANHOLE

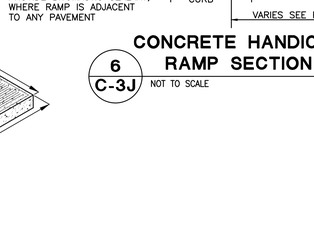
- WALL SETBACKS FOR RACKS SET TO A WALL ARE MIN. 24", RECOMMENDED 36". FOR RACKS SET PERPENDICULAR TO A WALL, MIN. 28" RECOMMENDED 36".

4 C-3J — BICYCLE RACK DETAIL
NOT TO SCALE

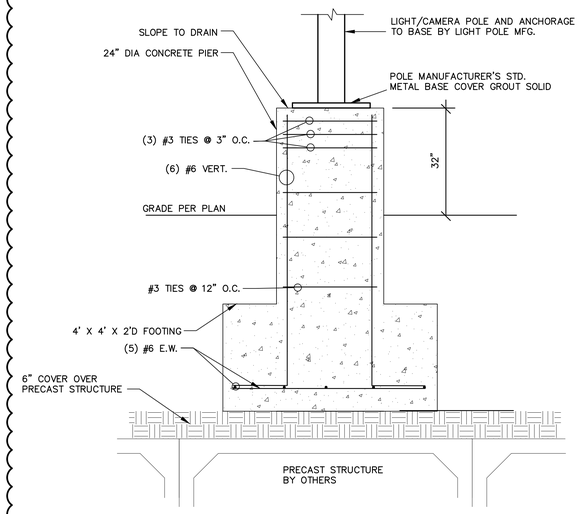


NOTES:
1. REFER TO MARYLAND STATE HIGHWAY ADMINISTRATION SPECIFICATIONS FOR MATERIALS AND METHODS OF CONSTRUCTION.
2. EXPANSION JOINT MATERIAL SHALL BE 1/2 INCH PREFORMED CORK, TRIMMED, AND SEALED WITH NON-STAINING, TWO-COMPONENT POLYSULFIDE OR POLYURETHANE ELASTOMERIC TYPE SEALANT COMPLYING WITH FS TT-S-00227.
3. SCORE THE CONCRETE FOR THE TRANSVERSE JOINTS TO A DEPTH OF 1/3 OF THE THICKNESS TO PROVIDE A WEAKENED PLANE.
4. WHERE SIDEWALK IS BEHIND RAMP, SLOPE 'A' IS 12:1 MAX. WHERE NO SIDEWALK IS BEHIND RAMP, SLOPE 'A' IS 50:1 MAX.
5. REFER TO MDOT-SHA STD. NO. MD-655.40 FOR DETECTABLE WARNING SURFACE. DETACTABLE SURFACE SHALL BE "CAST IN PLACE EZ SET TILE" BY DETECTABLE WARNING SYSTEMS, INC. OR APPROVED EQUAL. COLOR SHALL BE SAFETY YELLOW.

5 C-3J — ACCESSIBLE RAMP (TYPE I)
NOT TO SCALE



6 C-3J — CONCRETE HANDICAP RAMP SECTION
NOT TO SCALE



POLE BASE NOTES:

1. THIS DETAIL IS FOR LIGHT POLES OVER SWM STRUCTURE

2. REFER TO SITE ELECTRICAL/SECURITY PLAN SPECIFICATIONS FOR POLE, FOOTING, ETC.

7 C-3J — POLE BASE DETAIL
NOT TO SCALE

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3J SITE DETAILS.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
SITE DETAILS

C-3J

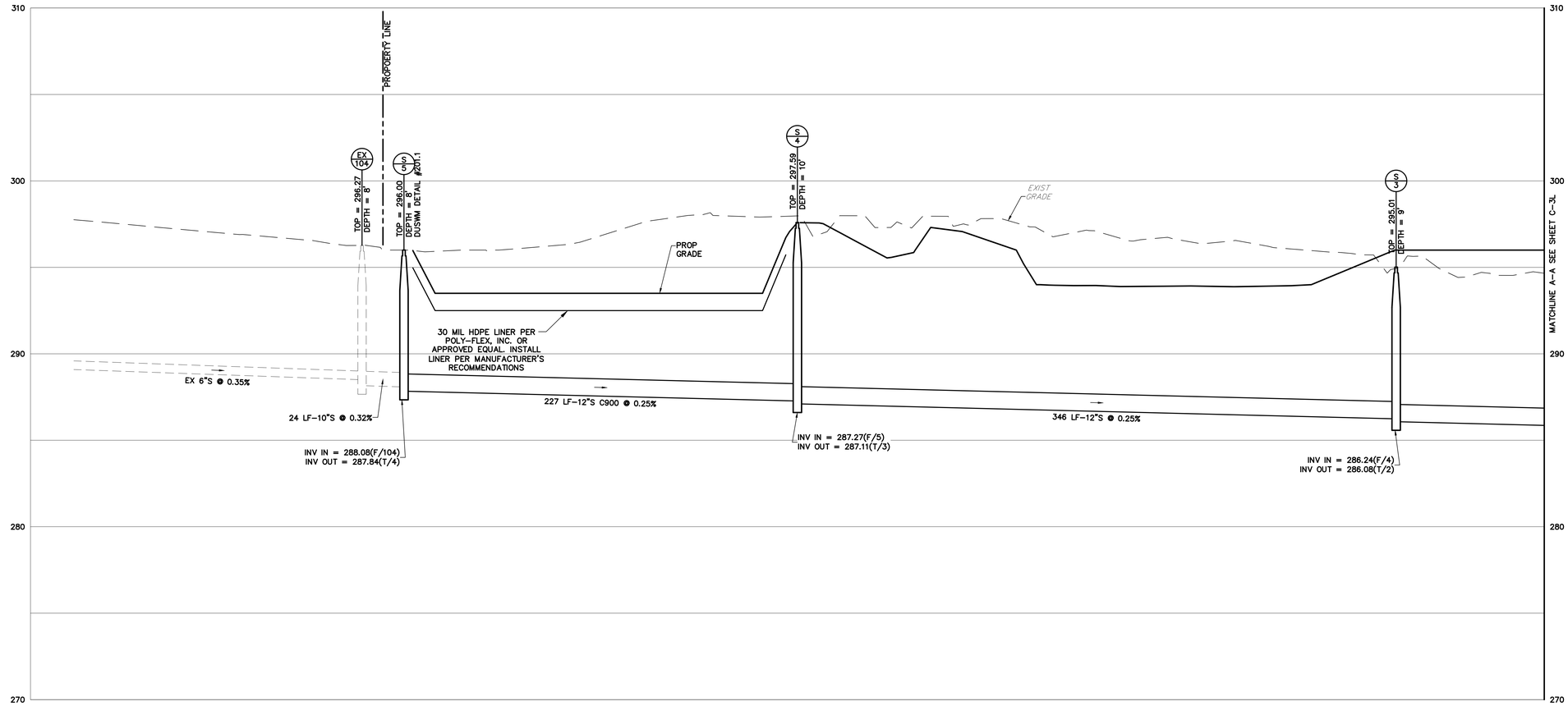
BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

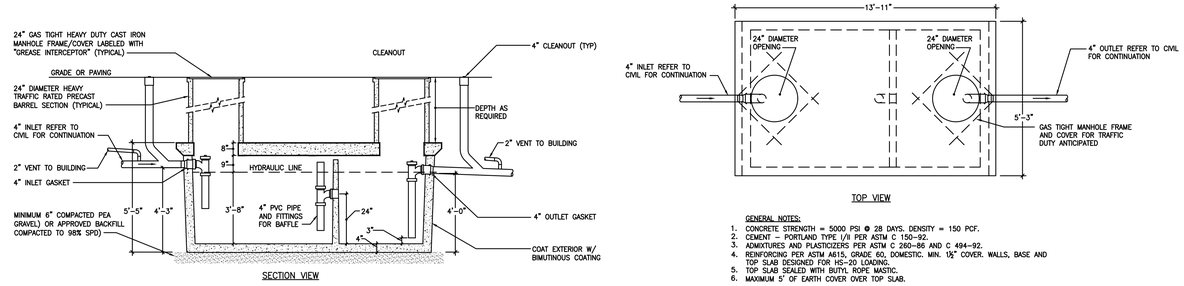
NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

PROJECT NO.: 2017171.00
DATE: 07-01-2019
SITE DETAILS

C-3J



SEWER MAIN FROM MARYLAND AVE TO EX S-A
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



GENERAL NOTES:
1. CONCRETE STRENGTH = 5000 PSI @ 28 DAYS. DENSITY = 150 PCF.
2. CEMENT – PORTLAND TYPE I/II PER ASTM C 150-92.
3. ADMIXTURES AND PLASTICIZERS PER ASTM C 260-86 AND C 494-92.
4. REINFORCING PER ASTM A615, GRADE 60, DOMESTIC. MIN. ½" COVER. WALLS, BASE AND TOP SLAB DESIGNED FOR HS-20 LOADING.
5. TOP SLAB SEALED WITH BUTYL ROPE MASTIC.
6. MAXIMUM 5' OF EARTH COVER OVER TOP SLAB.

1500 GALLON GREASE INTERCEPTOR DETAIL (TO BE INSTALLED BY PLUMBER)

W/S CONTRACT# 286C-S

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
SEWER PROFILES

C-3K

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

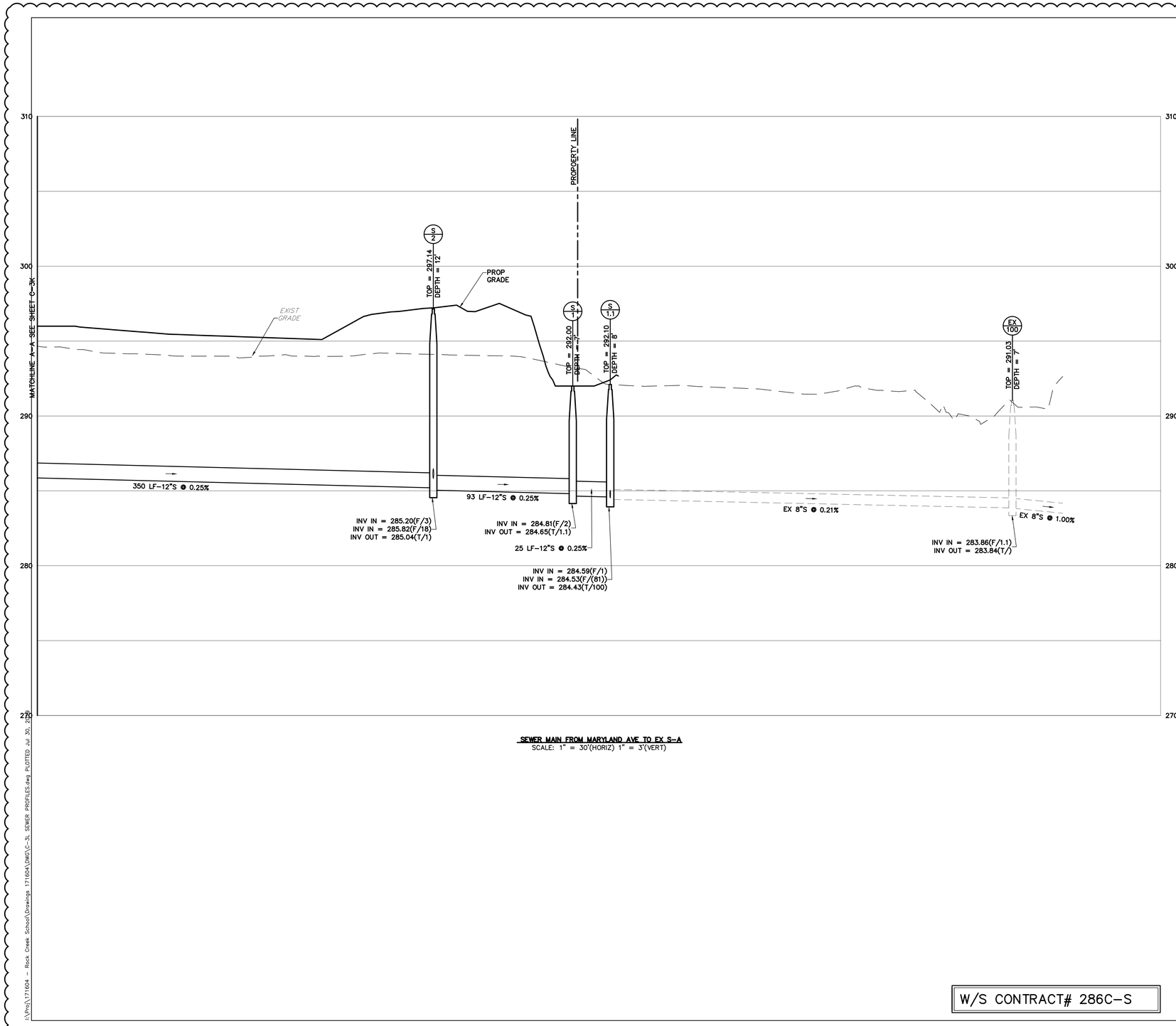
ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
SEWER PROFILES

C-3K

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3K SEWER PROFILES.dwg PLOTTED Jul 29, 2019



SEWER MAIN FROM MARYLAND AVE TO EX S-A
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

W/S CONTRACT# 286C-S

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPUTER AND/OR WITH COMPUTER AIDS FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

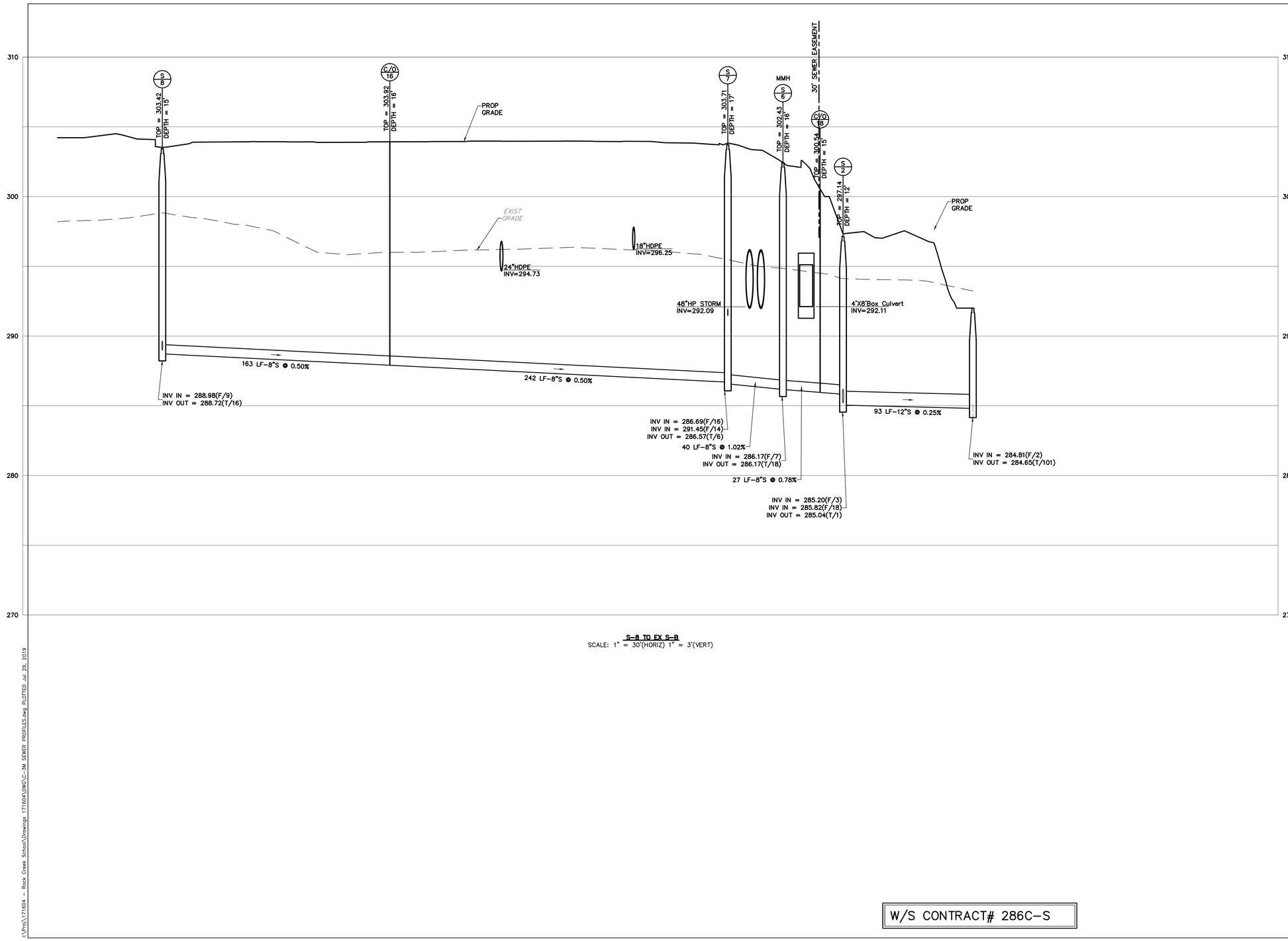
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SEWER PROFILES

C-3L

I:\Proj\171694 - Rock Creek School\Drawings 171694\DWG\C-3L SEWER PROFILES.dwg PLOTTED Jul 30, 2019



S-8 TO EX S-8

SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

W/S CONTRACT# 286C-S

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3M SEWER PROFILES.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

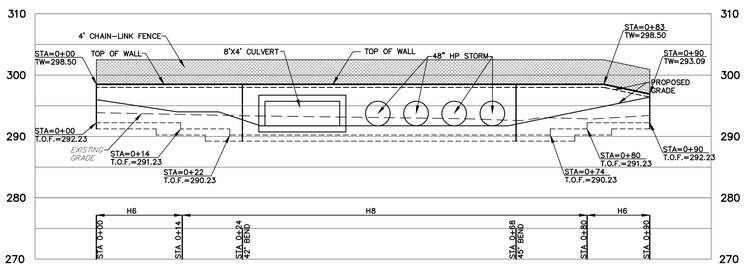
BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

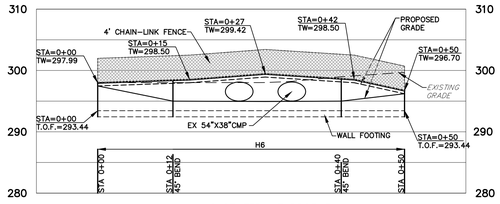
PROJECT NO.: 2017171.00
DATE: 07-01-2019

SEWER PROFILES

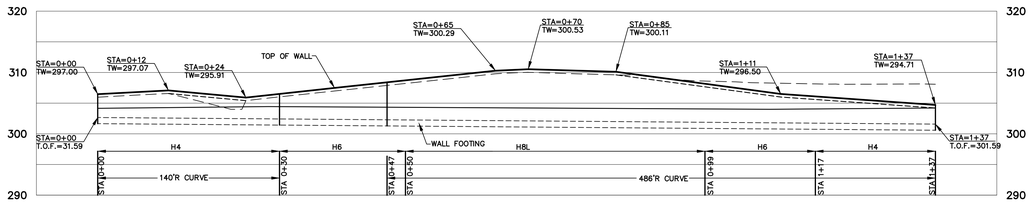
C-3M



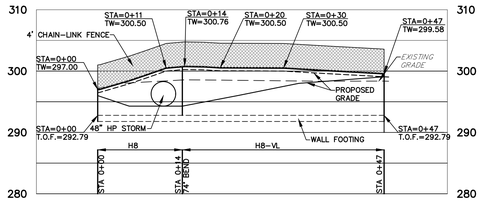
WALL 1 CENTERLINE PROFILE
SCALE: 1" = 10'



WALL 2 CENTERLINE PROFILE
SCALE: 1" = 10'

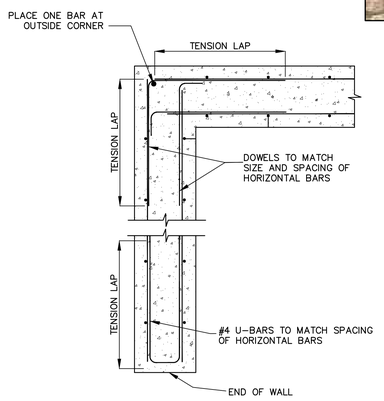


WALL 3 CENTERLINE PROFILE
SCALE: 1" = 30'(HORIZ) 1" = 30'(VERT)

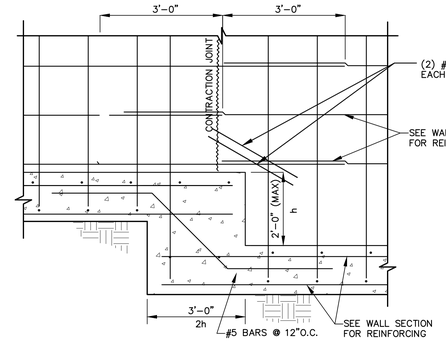


WALL 4 CENTERLINE PROFILE
SCALE: 1" = 30'(HORIZ) 1" = 30'(VERT)

RETAINING WALL FINISH

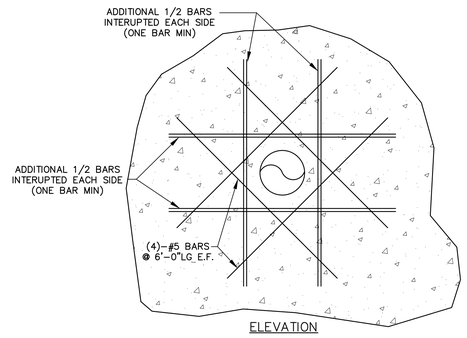


1 TYPICAL PLAN @ CORNER OF RETAINING WALLS
NOT TO SCALE



NOTE: ALTERNATE LAP SPLICES.

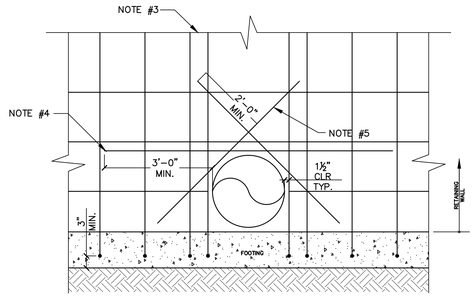
2 RETAINING WALL STEP AND WALL SPLICE
NOT TO SCALE



ELEVATION

NOTE:
THIS DETAIL FOR REINFORCEMENT ONLY.

3 PIPE PENETRATION REINFORCEMENT
NOT TO SCALE



NOTES:
1. USE AT OPENINGS OVER 12" IN DIAMETER.
2. SLEEVE INSIDE DIAMETER SHOULD BE 2" LARGER THAN PIPE OUTSIDE DIAMETER. IF PIPE IS NOT ENTERING WALL AT A 90 deg ANGLE, OVERSIZE SLEEVE TO ACCOMMODATE SKEW OF PIPE.
3. SPREAD DOWELS AT LARGE PIPE PENETRATIONS; DO NOT CUT OR OMIT DOWELS.
4. PROVIDE ADDITIONAL HORIZONTAL BAR ABOVE OPENING; EXTEND MIN. 3'-0" PAST FACE OF OPENING.
5. 2-#5 BARS EACH FACE OF WALL

4 RETAINING WALL PIPE PENETRATION DETAIL
NOT TO SCALE

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

WALL PROFILES

C-3U

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

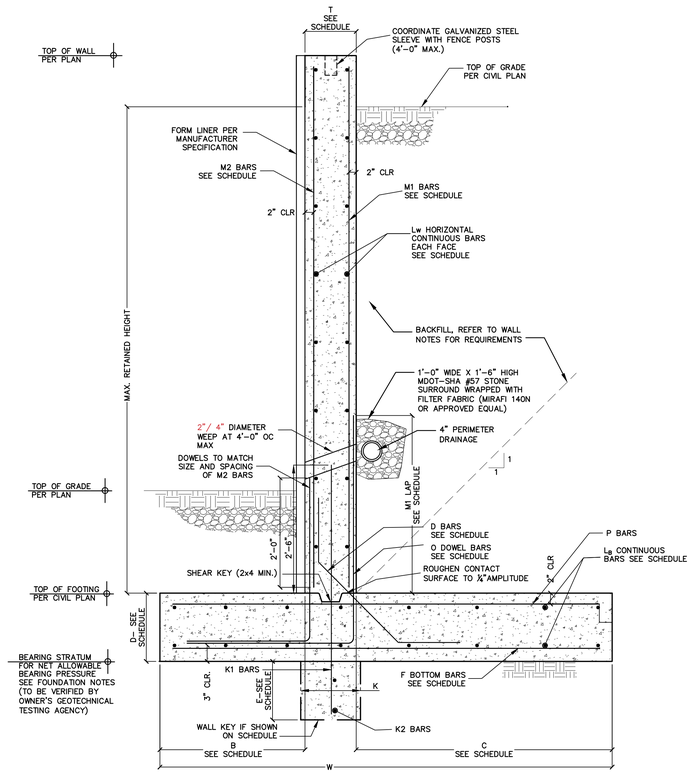
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

WALL PROFILES

C-3U

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-3U WALL PROFILES.dwg PLOTTED Jul 29, 2019

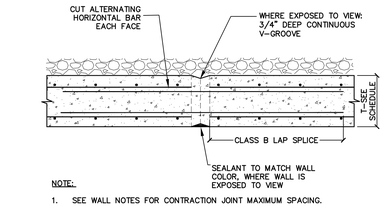


NOTES:

1. WALL DESIGNED FOR DRAINED CONDITION. SEE GEOTECHNICAL REPORT
2. DO NOT BACK FILL UNTIL WALL COMPRESSIVE STRENGTH f'c REACHES 100% OF 28 DAY DESIGN STRENGTH
3. FOR RETAINING WALL EXPOSED TO VIEW, PROVIDE VERTICAL CONTRACTION JOINTS PER WALL NOTES.
4. BACKFILL, 90% COMPACTION
5. SEE WALL PROFILES FOR WALL HEIGHTS AND SUM INFORMATION

1 TYPICAL SITE RETAINING WALL SECTION

NOT TO SCALE

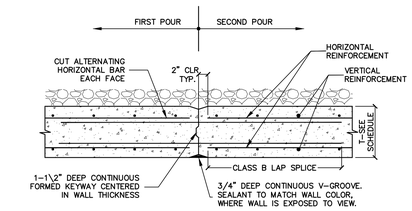


NOTE:

1. SEE WALL NOTES FOR CONTRACTION JOINT MAXIMUM SPACING.

2 TYPICAL VERTICAL CONTRACTION JOINT – PLAN VIEW

NOT TO SCALE

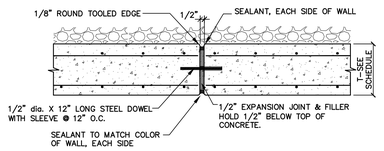


NOTE:

1. WHERE REQUIRED BY CONSTRUCTION SEQUENCING.

3 TYPICAL VERTICAL CONSTRUCTION JOINT – PLAN VIEW

NOT TO SCALE



NOTE:
1. SEE WALL NOTES FOR EXPANSION JOINT MAXIMUM SPACING.

4 TYPICAL EXPANSION JOINT – PLAN VIEW

NOT TO SCALE

CONCRETE SITE WALL SCHEDULE

HEIGHT (ft)	NAME	T (in)	B (ft)	C (ft)	D (in)	E (in)	K (in)	REINFORCEMENT "O" BARS	"M1" BARS	"M1" LAP	"M2" BARS	"L_B" BARS	"P" BARS	"L_W" BARS	"F" BARS	"K1" BARS	"K2" BARS	"D" BARS	SURCHARGE LOAD
8'	H8	12"	1'–0"	4'–6"	12"	–	–	#5 @ 12" O.C.	#5 @ 12" O.C.	30"	#5 @ 12" O.C.	#4 @ 16" O.C.	#5 @ 12" O.C.	#4 @ 16" O.C.	–	–	–	–	
6'	H6	12"	1'–0"	3'–0"	12"	–	–	#5 @ 12" O.C.	#5 @ 12" O.C.	30"	#5 @ 12" O.C.	#4 @ 16" O.C.	#4 @ 12" O.C.	#4 @ 16" O.C.	–	–	–	–	
4'	H4	12"	1'–0"	1'–0"	12"	–	–	#5 @ 12" O.C.	#5 @ 12" O.C.	30"	#5 @ 12" O.C.	#4 @ 16" O.C.	#4 @ 12" O.C.	#4 @ 16" O.C.	–	–	–	–	
8'	H8–VL	12"	1'–0"	4'–6"	12"	12"	12"	#5 @ 12" O.C.	#5 @ 12" O.C.	30"	#5 @ 12" O.C.	#4 @ 16" O.C.	#5 @ 12" O.C.	#4 @ 16" O.C.	–	#5 @ 12" O.C.	#5 @ 12" O.C.	–	
8'	H8–L	12"	2'–6"	1'–6"	12"	18"	12"	#5 @ 12" O.C.	#5 @12" O.C.	30"	#5 @ 12" O.C.	#4 @ 16" O.C.	#4 @ 12" O.C.	#4 @ 16" O.C.	–	#5 @ 12" O.C.	#5 @ 12" O.C	–	

SURCHARGE LOAD NOTE:
FIRETRUCK OUTRIGGER LOAD = 62,000 lbs. OUTRIGGER LOAD [APPLIED TO AN AREA 2.2'x2.5' IN PLAN AND USING A 1:1 SPREAD THROUGH THE SOIL LAYER]

WALL NOTES & CONSTRUCTION PRACTICES:

1. ALL FOUNDATION WORK AND SOIL COMPACTION SHALL BE IN STRICT ACCORDANCE TO THE SPECIFICATIONS AND GEOTECHNICAL REPORT FOR THE PROJECT.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:
   a. REINFORCING STEEL
   b. CONCRETE MIX
   c. EXPANSION MATERIAL
   d. EXPANSION JOINT LOCATIONS, CONTROL JOINT LOCATIONS
   e. TEMPORARY WALL BRACING. CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER SHALL BE SUBMITTED AS PART OF THE BRACING SUBMITTAL.
3. WET STICKING OF DOWELS INTO THE FOOTING WILL NOT BE ACCEPTED. DOWELS SHOULD BE PROPERLY PLACED AND TIED TO LONGITUDINAL FOOTING REINFORCING IN ACCORDANCE WITH CRSI.
4. PROVIDE EXPANSION JOINTS IN WALLS AT 80'-0" ON CENTER MAXIMUM, U.N.O.
   a. COORDINATE WITH WALL FINISHES AS NOTED BELOW.
5. PROVIDE CONTROL JOINTS IN WALLS AT MAXIMUM 10'-0" ON CENTER FOR WALLS 6'-0" OR LESS IN HEIGHT. PROVIDE CONTROL JOINTS IN WALLS AT SPACING TO MATCH TWO TIMES THE WALL HEIGHT FOR WALLS GREATER THAN 6'-0" IN HEIGHT (30'-0" MAX SPACING), U.N.O.
   a. COORDINATE WITH WALL FINISHES AS NOTED BELOW.
6. IF required at architecturally exposed walls > PROVIDE COLD APPLIED EMULSIFIED ASPHALT DAMP-PROOFING AT THE HIGH SOIL SIDE OF THE RETAINING WALLS AND WEEP HOLES PER SECTION OR DETAILS.
7. WALLS SHALL REACH 100% DESIGN STRENGTH BEFORE BACKFILLING AROUND WALLS.
   a. WHEN WALLS REACH 75% DESIGN STRENGTH, BACKFILL OF NO MORE THAN HALF THE TOTAL WALL HEIGHT IS PERMITTED.
8. ALL BACKFILL AT RETAINING WALLS SHALL BE SANDY SILT, UNIFIED SOIL CLASSIFICATION ML, OR BETTER (MORE GRANULAR).
   a. BACKFILL MATERIAL SHALL BE APPROVED ON-SITE BY GEOTECHNICAL INSPECTOR PRIOR TO PLACEMENT.
   b. IMPORT BACKFILL MATERIAL AS REQUIRED IF ON-SITE SOILS DO NOT MEET THESE REQUIREMENTS. QUANTITIES FOR IMPORTED MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
9. THE CONTRACTOR SHALL NOT OVERLOAD THE WALL WITH HEAVY EQUIPMENT DURING PLACEMENT OF BACKFILL ADJACENT TO THE WALL.
   a. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO BRACE ALL WALLS WHEN BACKFILLING. BACKFILLING AGAINST WALLS SHALL NOT BE PERMITTED UNTIL SUPPORTING STRUCTURES ARE IN PLACE OR UNTIL ADEQUATE BRACING ARRANGEMENTS ARE APPROVED BY THE DESIGN TEAM (AND COUNTY INSPECTOR).
   b. ALTERNATELY, ONLY LIGHTWEIGHT (A MAXIMUM OF THREE TON TOTAL WEIGHT) NON-VIBRATORY EQUIPMENT SHALL BE PERMITTED WITHIN THE CRITICAL ZONE DEFINED AS BEGINNING AT THE BASE OF THE WALL AND WIDENING UPWARD FROM THE BASE AT A 1:1 SLOPE.
10. WALL FINISHES - BRICK:
    a. COORINATE CONCRETE WALL CONTROL AND EXPANSION JOINTS TO MATCH PRECAST CAP JOINTS AND BRICK JOINTS.
11. WALL FINISHES - FORM LINER:
    a. PROVIDE CONTROL JOINTS IN CONCRETE WALLS TO MATCH FORMLINER PATTERN.

FOUNDATION

1. ASSUMED SOIL BEARING VALUE IS 2,500 POUNDS PER SQUARE FOOT FOR FOOTINGS ON UNDISTURBED NATURAL SOILS OR PROPERLY COMPACTED FILL.
   a. BEARING CAPACITY SHALL BE VERIFIED BY OWNER'S GEOTECHNICAL TESTING AGENCY.
2. LATERAL WALL LOADS (EQUIVALENT FLUID PRESSURE)
   a. CANTILEVERED RETAINING WALLS (ACTIVE EARTH PRESSURE) = 40 PSF PER FOOT OF DEPTH.
   b. SURCHARGE PRESSURE =
   i. 50 PSF TYPICAL
   ii. 250 PSF AT DRIVE LANES AND PARKING LOTS
   c. LATERAL PASSIVE EARTH PRESSURE = 240 PSF PER VERTICAL FOOT OF SOIL
3. COEFFICIENT OF SLIDING FRICTION FACTOR = 0.35
4. SOIL DENSITY = 120 PCF
5. SUBSURFACE INVESTIGATION
   a. SUBSURFACE INVESTIGATION AND REPORT BY: ECS MID-ATLANTIC, LLC - GREGORY A. RATKOWSKI, P.E. AND JEFFREY A. MCGREGOR, P.E.
   b. TELEPHONE NO: (301) 668-4303
   c. REPORT NO.: 13:8487-A
   d. GEOTECHNICAL REPORT DATED: AUGUST 14, 2018
6. ALL FOUNDATION WORK AND SOIL COMPACTION SHALL BE IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THE PROJECT.
7. ALL FOOTINGS SHALL EXTEND MINIMUM 1'-0" INTO UNDISTURBED SOIL OR SHALL BEAR ON SUBGRADE CAPABLE OF ACHIEVING THE BEARING CAPACITY SHOWN. PLACE THE FILL REQUIRED TO BRING THE SUBGRADE TO THE PROPER ELEVATION PRIOR TO INSTALLING THE FOUNDATION.
8. THE FINAL SOIL BEARING CAPACITY AND FOUNDATION SUBGRADES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL INSPECTOR PRIOR TO THE CONCRETE FOOTING INSTALLATION.
9. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 2'-6" BELOW THE FINISHED EXTERIOR GRADE UNLESS NOTED OTHERWISE.
10. THE ELEVATION AT THE TOP OF FOOTINGS SHALL NOT BE HIGHER THAN INDICATED ON THE FOUNDATION PLAN, NOTES AND SECTIONS. THE FOOTING ELEVATIONS SHOWN ON THE DRAWINGS ARE FOR ESTIMATION PURPOSES ONLY. LOWER THE FOOTING ELEVATIONS, IF REQUIRED, TO ACHIEVE THE REQUIRED DESIGN BEARING CAPACITY OR FOR COORDINATION WITH UTILITIES.

STRUCTURAL CONCRETE

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. DETAILING SHALL BE IN ACCORDANCE WITH ACI MANUAL 315 AND STANDARD 318.
2. CONCRETE SHALL BE NORMAL WEIGHT. DESIGN COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:
   a. FOOTINGS: 3,500 PSI.
   b. WALLS: 4,500 PSI.
3. MAXIMUM AGGREGATE SIZE FOR CONCRETE SHALL BE IN ACCORDANCE WITH THE MAXIMUM AGGREGATE SIZES IN ACI 318 AND AS FOLLOWS:
   a. FOOTINGS: 1 1/2"
   b. WALLS, SLABS: 3/4"
4. CONCRETE AIR CONTENT AND WATER/CEMENT RATIOS SHALL BE AS FOLLOWS:
   a. AIR ENTRAINMENT: 6% ± 1% OF THE TOTAL CONCRETE VOLUME
   b. ALL CONCRETE SHALL BE AIR-ENTRAINED.
   c. WATER/CEMENT RATIO: 0.45
5. THE USE OF ADDITIVES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OR NOTED IN THE PROJECT SPECIFICATIONS. THE USE OF ADDITIVES CONTAINING CALCIUM CHLORIDE SHALL NOT BE PERMITTED.
6. ALL REINFORCING STEEL MARKED "CONTINUOUS" SHALL BE LAPPED AS REQUIRED WITH CLASS B TENSION SPLICES PER ACI 315. PROVIDE CLASS B TENSION SPLICES AT WALL CORNERS AND INTERSECTIONS WITH STANDARD 90 DEGREE BENT CORNER BARS, INCLUDING CORNERS OF WALL FOOTINGS. PROVIDE CORNER LAP BARS AT ALL LONGITUDINAL FOOTING REINFORCING AS WELL AS AT ALL HORIZONTAL WALL REINFORCING.
7. ALL TENSION SPLICES IN THE REINFORCING STEEL, UNLESS NOTED OTHERWISE, SHALL HAVE A MINIMUM LAP DISTANCE AS FOLLOWS:

BAR SIZE	CLASS B TENSION LAP SPLICE [4500 psi]	
	TOP BARS	OTHER BARS
#3	16"	16"
#4	19"	16"
#5	23"	18"
#6	28"	21"
#7	45"	35"
#8	57"	44"
#9	70"	54"

8. PROVIDE CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:
   a. FOOTINGS: 3", COVER U.N.O.
   b. WALLS: #6 BAR OR LARGER = 2" COVER U.N.O.
   c. WALLS: #5 BAR OR SMALLER = 1 1/2" COVER U.N.O.
9. ALL CONCRETE WORK, REINFORCING PLACEMENT, FORMWORK AND SHORING SHALL BE INSPECTED UNDER THE SUPERVISION OF THE INSPECTOR. CONCRETE QUALITY CONTROL, INSPECTION AND TESTING SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS, ACI 301 AND THE LOCAL BUILDING CODE REQUIREMENTS.
   d.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPUTER AND PLOTTED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
WALL DETAIL AND NOTES

C-3V

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPUTER AND PLOTTED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

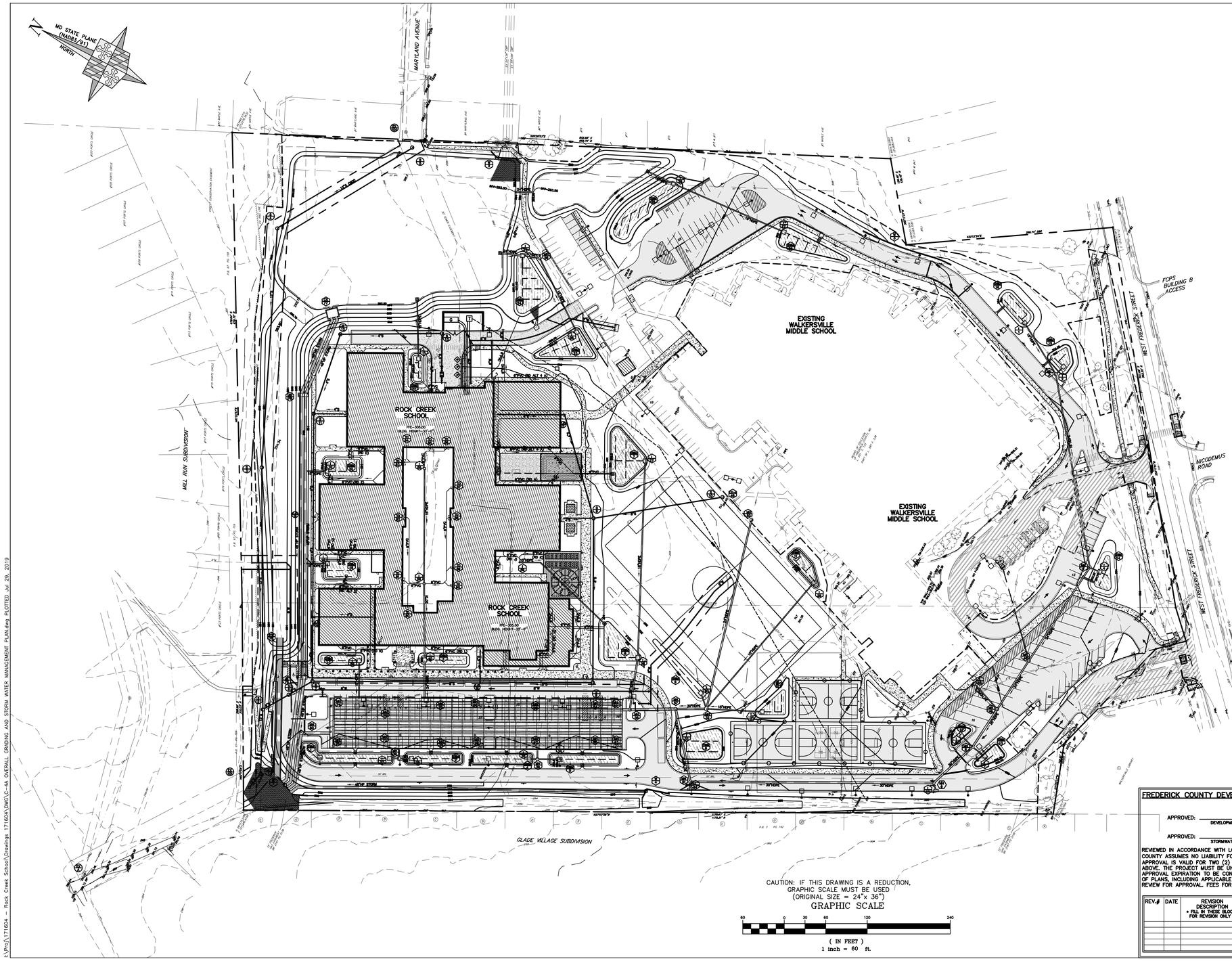
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

BID SET
FCPS #19C14

PROJECT NO.: 2017171.00
DATE: 07-01-2019
WALL DETAIL AND NOTES

C-3V

I:\Proj\171604 – Rock Creek School\Drawings 171604\DWG\C-3V WALL PROFILES.dwg PLOTTED Jul 29, 2019



CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)

1 inch = 60 ft.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

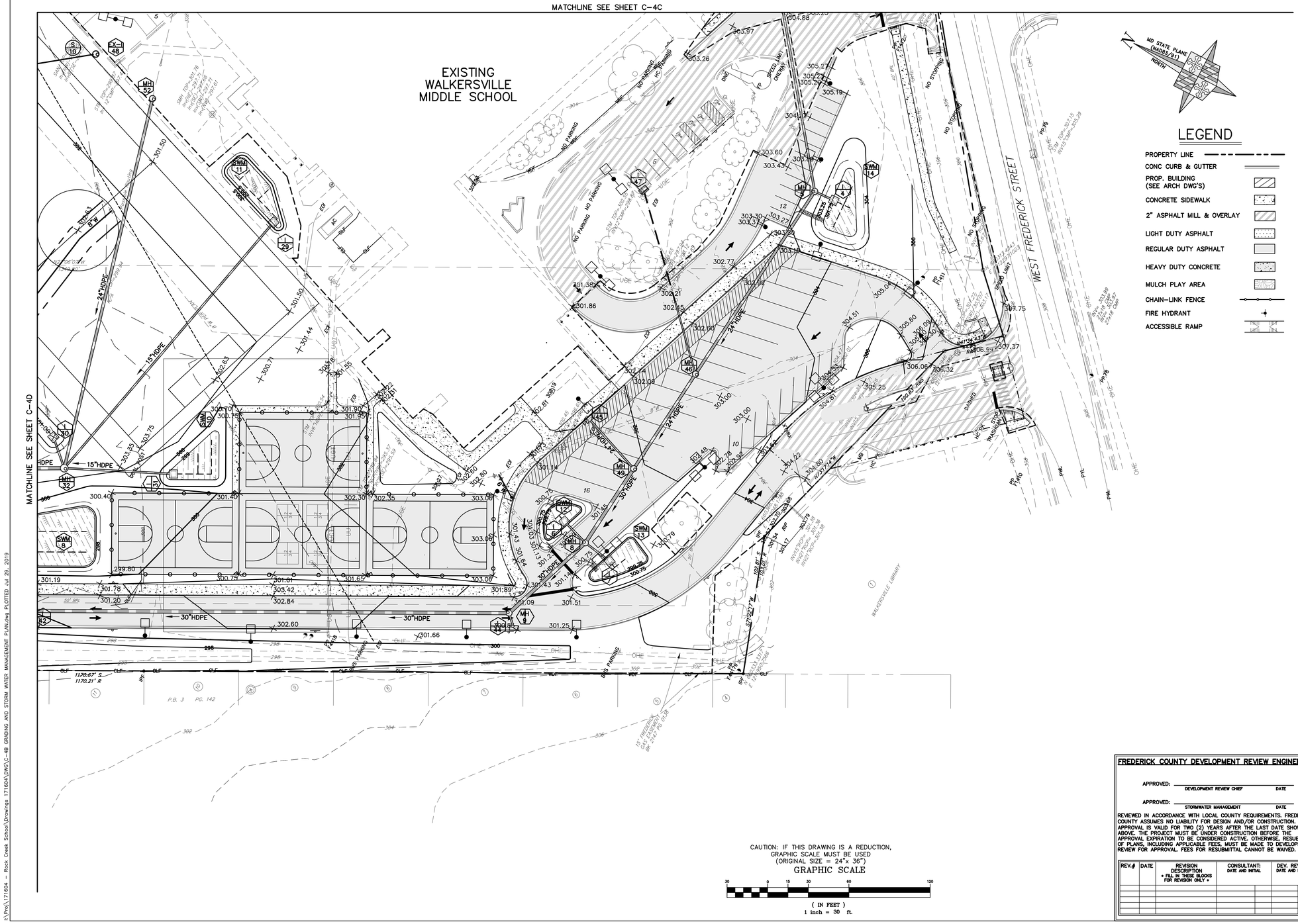
SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

REV	DATE	DESCRIPTION



CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE; OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION • FILL IN THESE BLOCKS FOR REVISION ONLY •	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

GRADING AND STORM WATER MANAGEMENT PLAN

C-4B

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

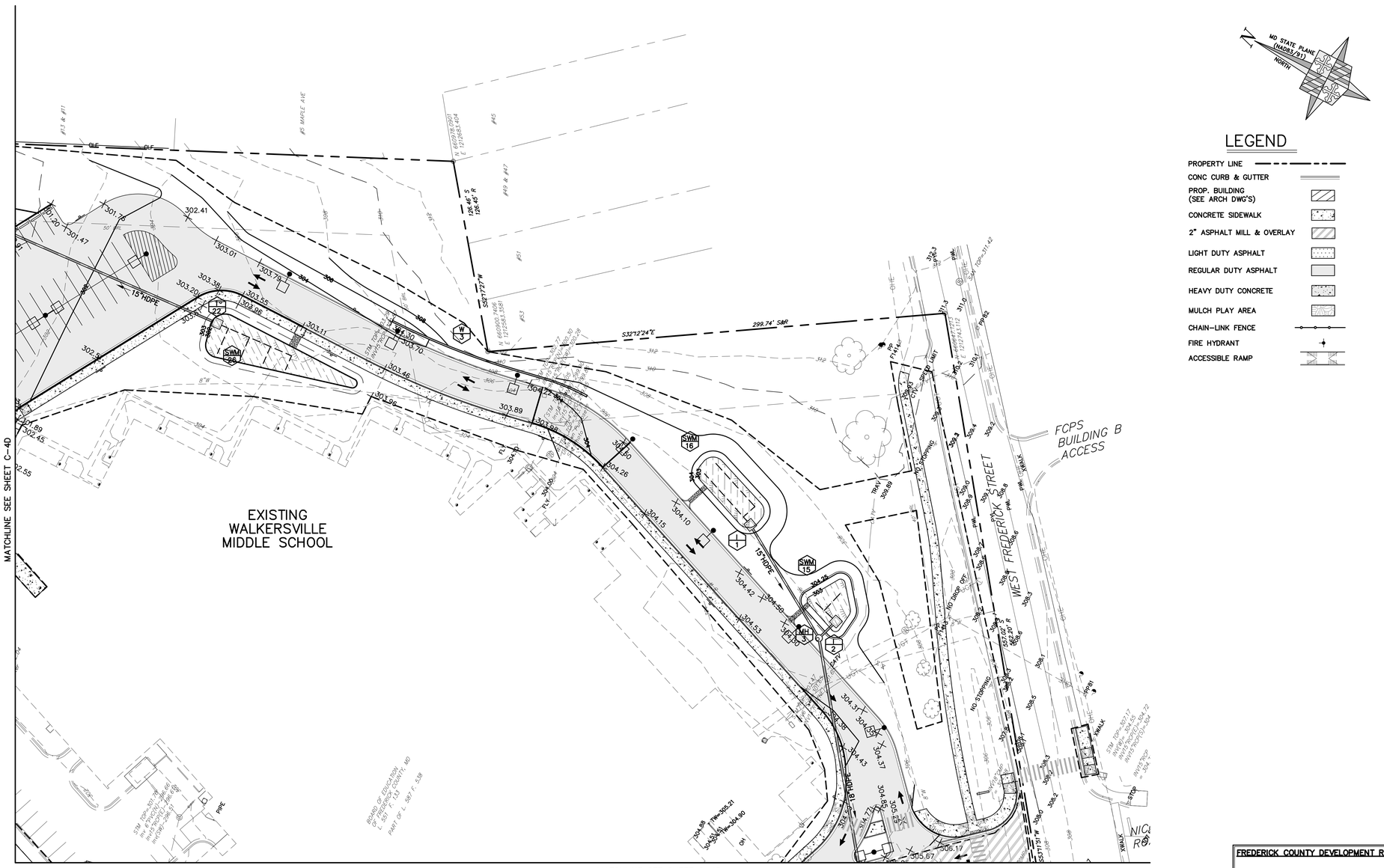
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

GRADING AND STORM WATER MANAGEMENT PLAN

C-4B

I:\Proj\17\1704 - Rock Creek School\Drawings 171694\DWG\C-4B GRADING AND STORM WATER MANAGEMENT PLAN.dwg PLOTTED Jul 29, 2019



LEGEND

- PROPERTY LINE
- CONC CURB & GUTTER
- PROP. BUILDING (SEE ARCH DWG'S)
- CONCRETE SIDEWALK
- 2" ASPHALT MILL & OVERLAY
- LIGHT DUTY ASPHALT
- REGULAR DUTY ASPHALT
- HEAVY DUTY CONCRETE
- MULCH PLAY AREA
- CHAIN-LINK FENCE
- FIRE HYDRANT
- ACCESSIBLE RAMP

CAUTION: IF THIS DRAWING IS A REDUCTION,
GRAPHIC SCALE MUST BE USED
(ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE; OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED DATA PROVIDED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

GRADING AND STORM WATER MANAGEMENT PLAN

C-4C

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

BID SET
FCPS #19C14

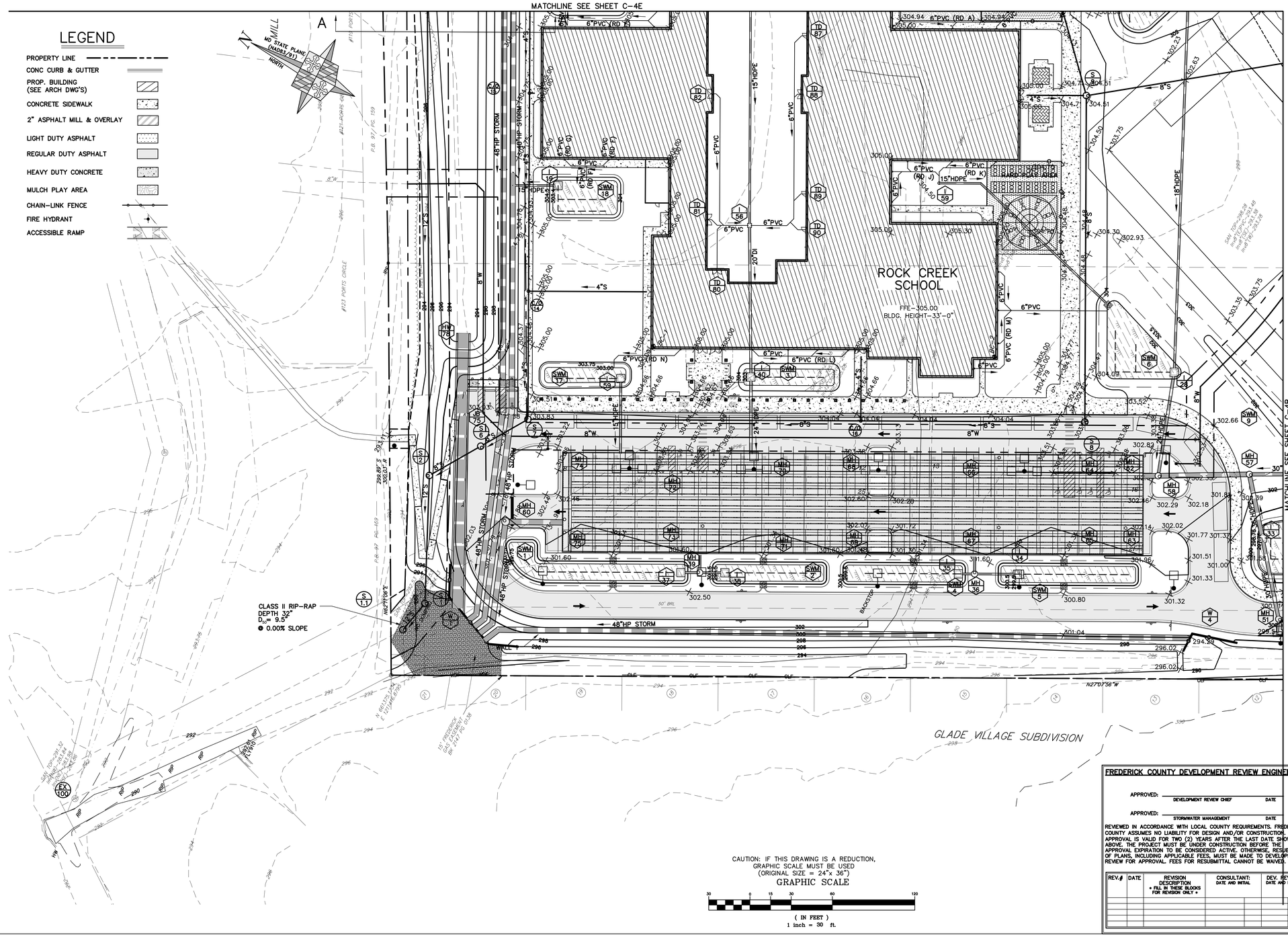
NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
GRADING AND STORM WATER MANAGEMENT PLAN
C-4C

I:\Proj\1717604 - Rock Creek School\Drawings 171694\DWG\C-4C GRADING AND STORM WATER MANAGEMENT PLAN.dwg PLOTTED JUL 29, 2019



FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION FURNISHED AND COMPILED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

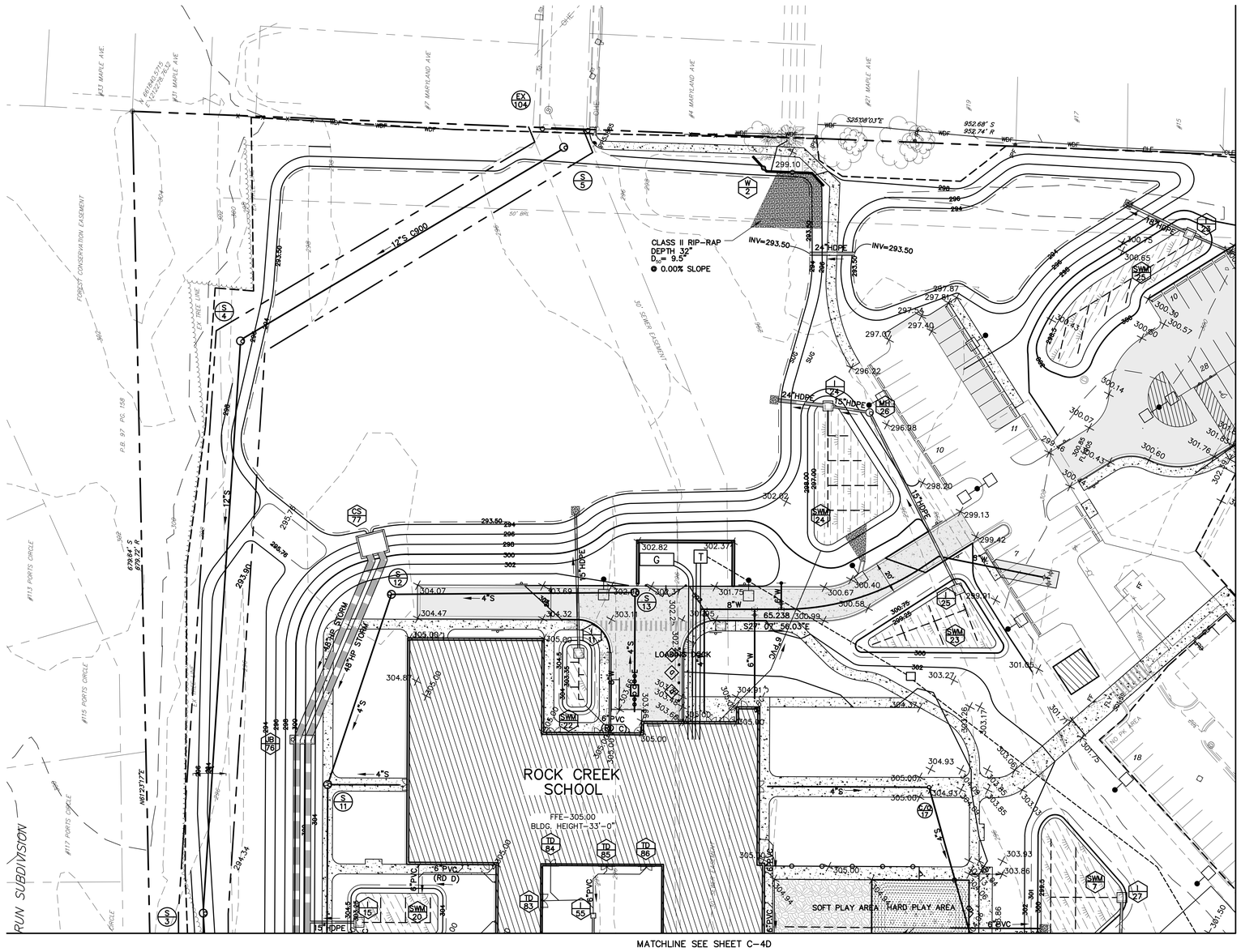
GRADING AND STORM WATER MANAGEMENT PLAN

C-4D

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
GRADING AND STORM WATER MANAGEMENT PLAN
C-4D

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4D GRADING AND STORM WATER MANAGEMENT PLAN.dwg PLOTTED Jul 30, 2019



MD STATE PLANE (NAD83/91) NORTH

LEGEND

- PROPERTY LINE
- CONC CURB & GUTTER
- PROP. BUILDING (SEE ARCH DWG'S)
- CONCRETE SIDEWALK
- 2" ASPHALT MILL & OVERLAY
- LIGHT DUTY ASPHALT
- REGULAR DUTY ASPHALT
- HEAVY DUTY CONCRETE
- MULCH PLAY AREA
- CHAIN-LINK FENCE
- FIRE HYDRANT
- ACCESSIBLE RAMP

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 24"x 36")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4E GRADING AND STORM WATER MANAGEMENT PLAN.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

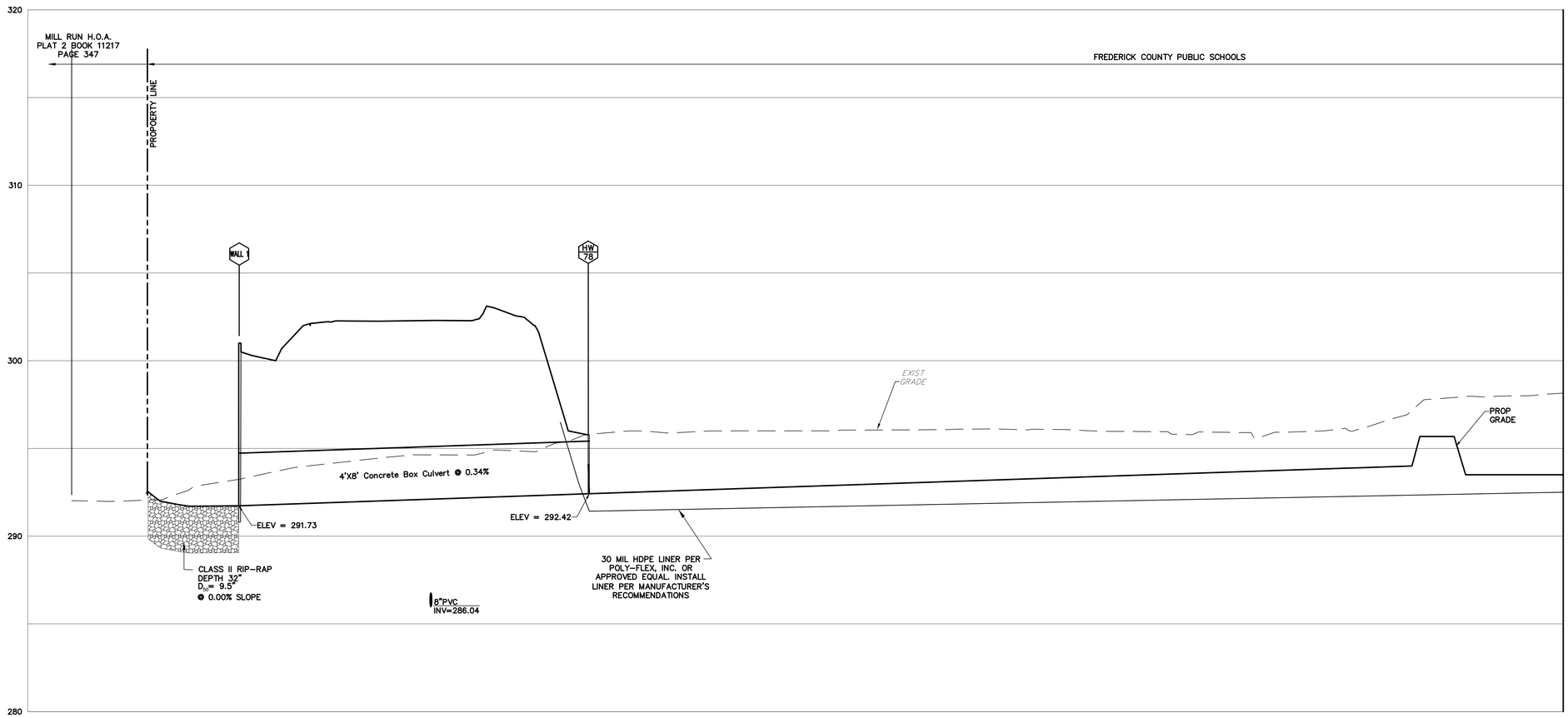
BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

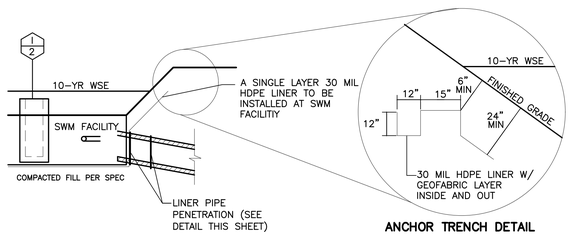
PROJECT NO.: 2017171.00
DATE: 07-01-2019

GRADING AND STORM WATER MANAGEMENT PLAN

C-4E



STORM DRAIN BYPASS
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



ANCHOR TRENCH DETAIL

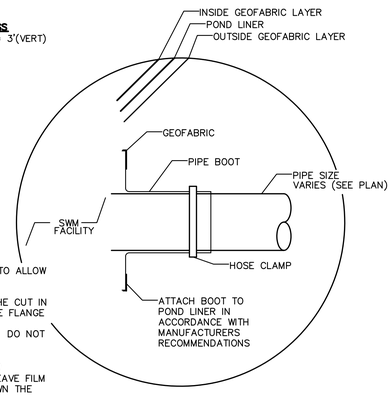
NOTES:
1. TESTING SHALL BE PERFORMED AS SEAMING WORK PROGRESSES, NOT AT COMPLETION OF ALL FIELD SEAMING. ALL DEFECTS FOUND SHALL BE REPAIRED AND RETESTED.

2. ALL GENERAL REQUIREMENTS, MATERIAL SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL FOLLOW THE MANUFACTURE SPECIFICATIONS.

1 / C-4F — LINER DETAIL
NOT TO SCALE

TYPICAL PIPE PENETRATION PROCEDURE

1. AFTER INSTALLATION OF POND LINER, CAREFULLY CUT HOLE TO ALLOW PIPE TO SLIDE HROUGH LINER.
2. SLIDE BOOT OVER PIPE.
3. CAREFULLY CUT BOOT FLANGE BASE SO THAT IT EXCEEDS THE CUT IN THE LINER BY 4 TO 6 INCHES IN ALL DIRECTIONS. MAKE THE FLANGE SQUARE.
4. CLEAN LINER AND FLANGE. USE WATER, MEK, XYLENE, ETC. DO NOT USE SOAP.
5. MARK A LINE AROUND FLANGE AND REMOVE BOOT.
6. PLACE 2" WIDE DOUBLE SIDED TAPE ON LINER (BOTTOM VIEW DRAWING). BE SURE TO OVERLAP AT CORNERS BY 1/4". LEAVE FILM LAYER ON TOP OF TAPE. USE A RAG TO FIRMLY PRESS DOWN THE TAPE AND WORK OUT ANY WRINKLES.
7. REMOVE TOP FILM LAYER OF TAPE. REPLACE BOOT AND PRESS DOWN ON TO 2" DOUBLE SIDED TAPE AND WORK OUT WRINKLES
8. PLACE JOINT WRAP COMPLETELY OVER EDGE OF BOOT, CENTERING ON THE SEAM.
9. PLACE BAND CLAMP ON BOOT RISER APPROXIMATELY 1" FROM TOP OF BOOT. TIGHTEN AND COVER WITH 4" SINGLE SIDED TAPE.



2 / C-4F — LINER PIPE PENETRATION DETAIL
NOT TO SCALE

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF _____ DATE

APPROVED: _____ STORMWATER MANAGEMENT _____ DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILT'S OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

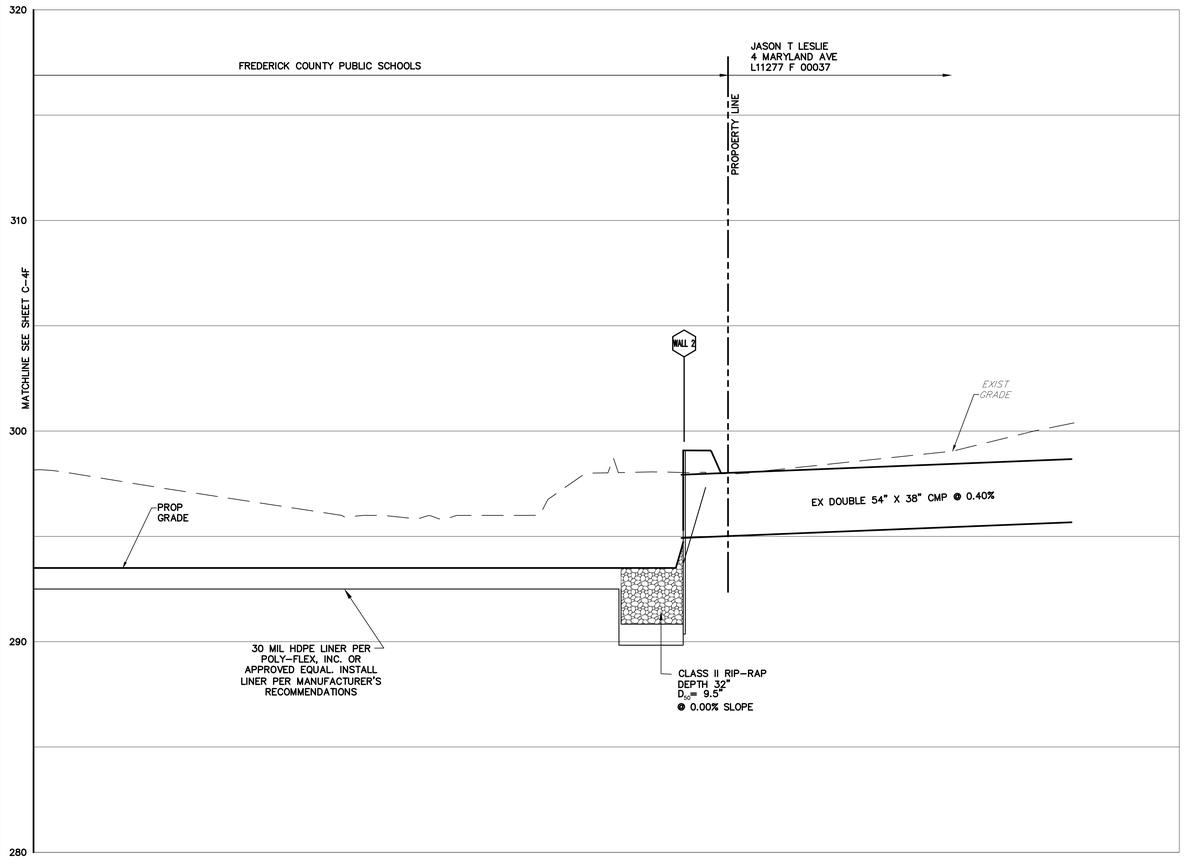
BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

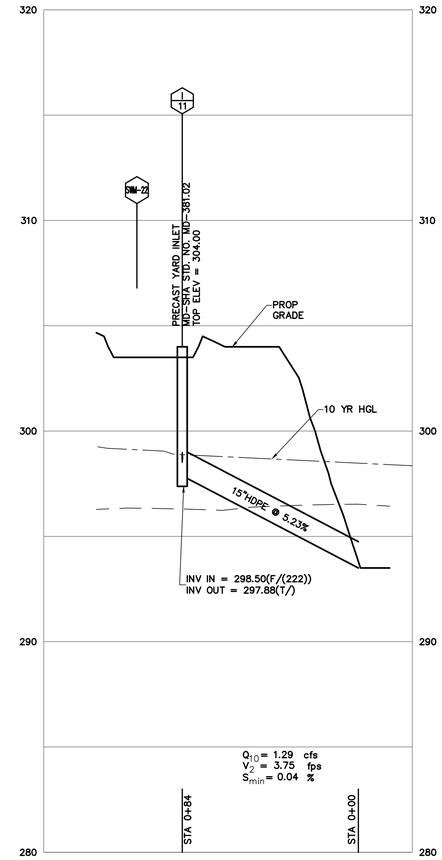
PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4F

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4F STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019



STORM DRAIN BYPASS
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



I-11 TO POND
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

REV.	DATE	DESCRIPTION

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL		DEV. REVIEW: DATE AND INITIAL	

ISSUE

REV.	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

STORM DRAIN PROFILES

C-4G

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

ISSUE

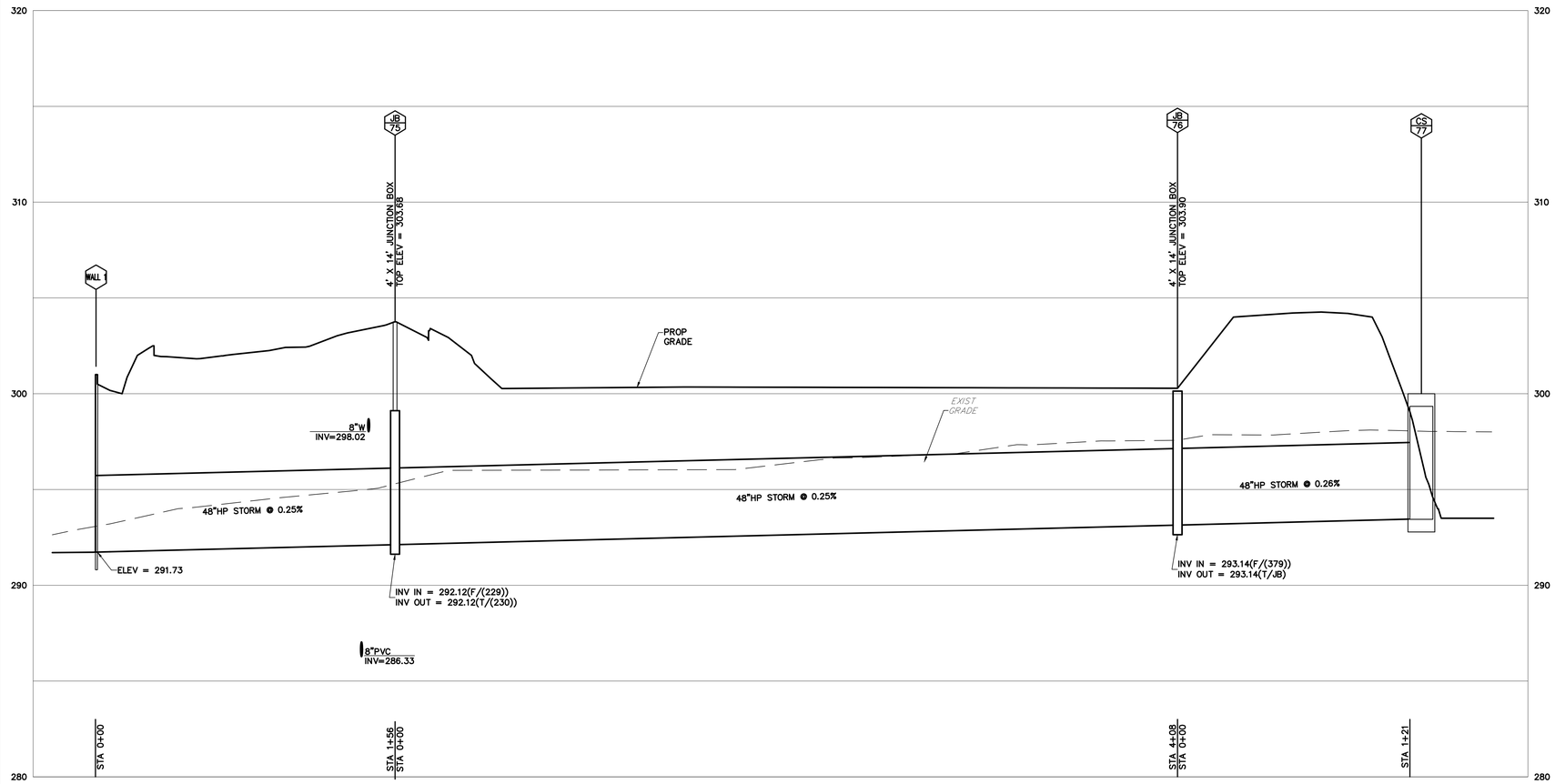
REV.	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

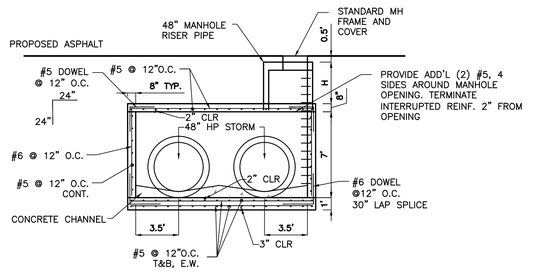
PROJECT NO.: 2017171.00
DATE: 07-01-2019

STORM DRAIN PROFILES

C-4G

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4G STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019

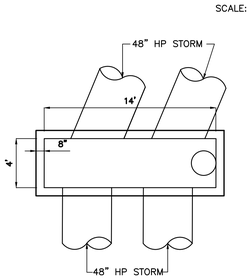


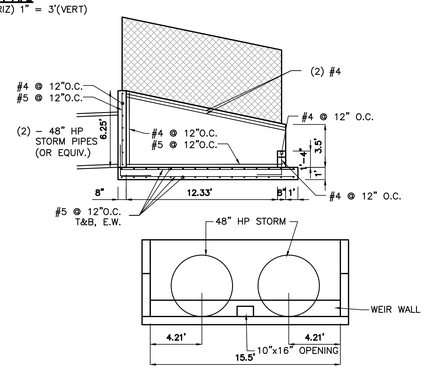


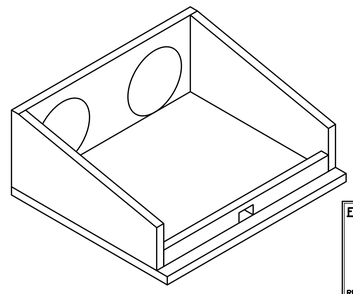
NOTES:
- CENTER REINFORCEMENT IN WALLS
- CONCRETE DESIGN COMPRESSIVE STRENGTH SHALL BE 4,500 PSI FOR TOP SLAB, WALLS, & FOUNDATION SLAB.
- PROVIDE #5 CORNER BARS IN WALLS WITH 24" LEGS.
- H – ADD RISER SECTIONS TO MEET FINISHED GRADE.

1 C-4N JUNCTION BOX 75 & 76
NOT TO SCALE

48IN LEFT PIPE
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)







2 C-4N CONTROL STRUCTURE 77
NOT TO SCALE

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE, OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4N

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

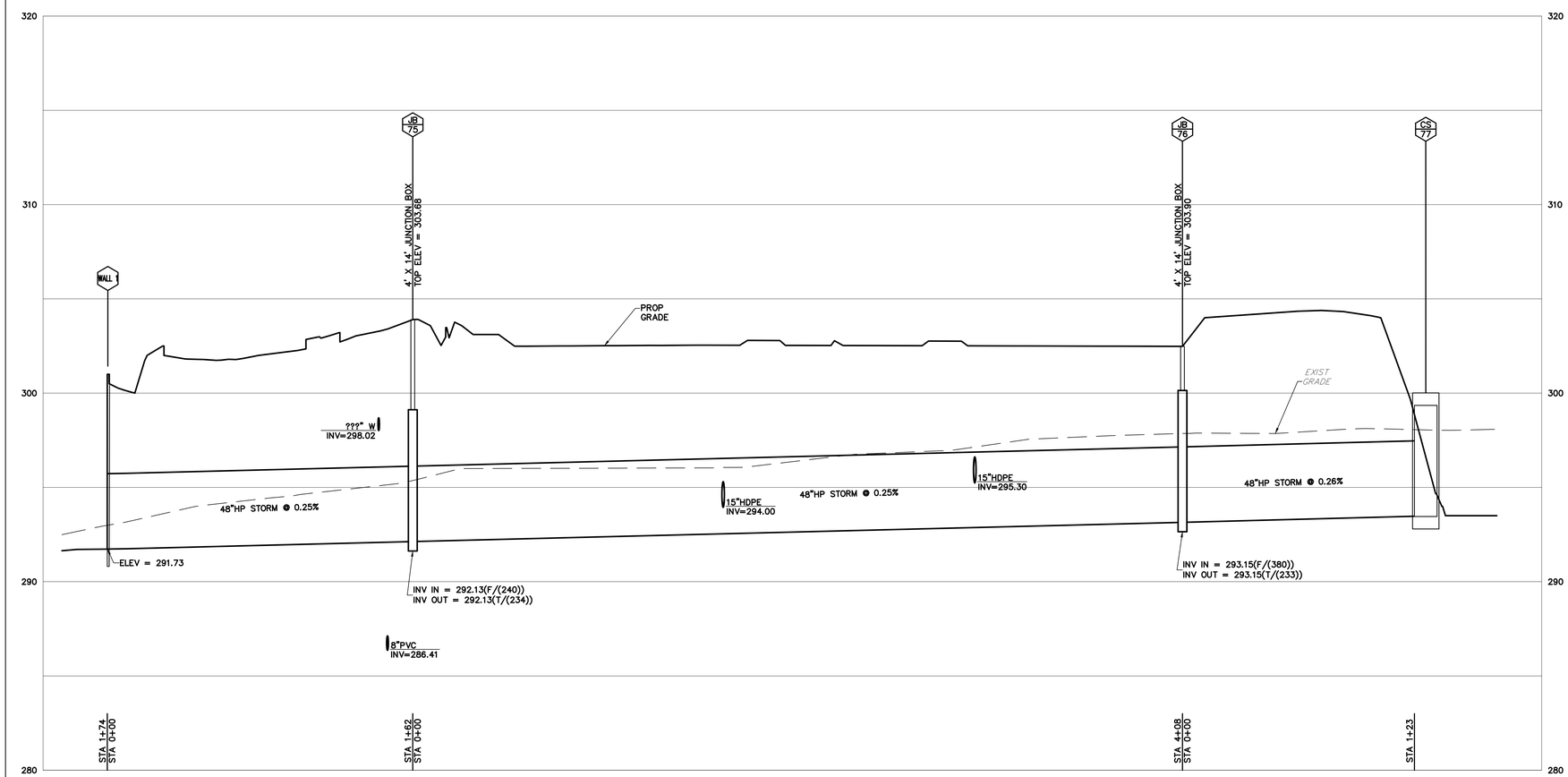
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

BID SET
FCPS #19C14

C-4N

I:\Proj\171604 – Rock Creek School\Drawings 171604\DWG\C-4N STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019



48IN RIGHT PIPE
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE, OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW. DATE AND INITIAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4P

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

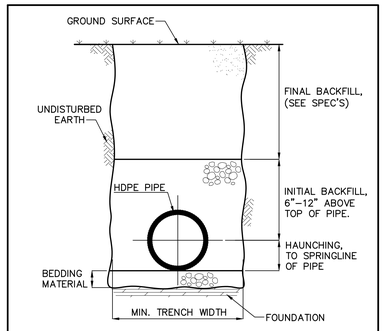
ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4P

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4P STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019



TYPICAL TRENCH CROSS SECTION
NOT TO SCALE

REFERENCE SECTION X–2, "RECOMMENDATIONS FOR INCORPORATION INTO CONTRACT DOCUMENTS" OF ASTM SPECIFICATION D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY–FLOW APPLICATIONS".

NOTES:

1. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY–FLOW APPLICATIONS," LATEST EDITION; AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.

2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

   UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR FOR 4"–24" AND 42"–48" CORRUGATED POLYETHYLENE PIPE (CPEP); 6" FOR 30"–36" CPEP.

3. HAUNCHING AND INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

NOMINAL ⌀ in	MIN. RECOMMENDED TRENCH WIDTH, in
4	21
6	23
8	25
10	28
12	31
15	34
18	39
24	48
30	66
36	78
42	83
48	89
60	102

5. MINIMUM COVER: MINIMUM RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADING CONDITIONS ARE SUMMARIZED IN THE FOLLOWING TABLE. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TAKEN FROM THE TOP OF PIPE TO THE GROUND SURFACE.

SURFACE LIVE LOADING CONDITION	MINIMUM RECOMMENDED COVER, in
H25 (FLEXIBLE PAVEMENT)	12*
H25 (RIGID PAVEMENT)	12

*TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION

ON–SITE STORM DRAIN TRENCH INSTALLATION DETAIL
NOT TO SCALE

MULCH SPECIFICATIONS

THE MULCH LAYER IS AN IMPORTANT PART OF THE MICRO–BIORETENTION DEVICE. MUCH OF THE POLLUTANT REMOVAL CAPACITY OF THE MICRO–BIORETENTION SYSTEM IS WITHIN THE MULCH LAYER. THE SURFACE MULCH LAYER WILL CONSIST OF STANDARD DOUBLE SHREDDED AGED HARDWOOD MULCH. THE MULCH SHOULD BE APPLIED UNIFORMLY TO A DEPTH OF 3 INCHES. YEARLY REPLENISHING MAY BE NECESSARY. PINE BARK IS NOT ACCEPTABLE.

SOIL FILTER/PLANTING MEDIA SPECIFICATIONS

PLANTING MEDIAL SHALL BE 24"–48"THICK AND CONSIST OF ½ PERLITE OR SOLITE, ½ COMPOST AND ½ TOPSOIL. THE PERLITE SHALL BE COARSE GRADE HORTICULTURAL PERLITE. THE COMPOST SHALL BE HIGH GRADE COMPOST FREE OF STONES AND PARTIALLY COMPOSTED WOODY MATERIAL. THE TOPSOIL COMPONENT SHALL MEET THE FOLLOWING CRITERIA: CONTAIN NO MORE THAN 10% CLAY, 10%–25% SILT AND 60%–75% SAND AND SHALL BE FREE OF STONES, STUMPS, ROOTS OR OTHER SIMILAR OBJECTS LARGER THAN 2 INCHES. THE FIRST LAYER OF THE PLANTING MEDIA SHALL BE LIGHTLY TILLED TO MIX IT INTO THE SAND LAYER, SO NOT TO CREATE A DEFINITIVE BOUNDARY. THE PLANTING MATERIAL SHALL BE FLOODED AFTER PLACEMENT. ANY SETTLEMENT THAT OCCURS SHALL BE FILLED BACK TO THE DESIGN ELEVATION.

SAND SPECIFICATIONS

WASHED ASTM C33 FINE AGGREGATE CONCRETE SAND IS UTILIZED FOR STORMWATER MANAGEMENT APPLICATIONS IN MONTGOMERY COUNTY. IN ADDITION TO THE ASTM C33 SPECIFICATION, SAND MUST MEET ALL OF THE FOLLOWING CONDITIONS:

1. SAND MUST MEET GRADATION REQUIREMENTS FOR ASTM C–33 FINE AGGREGATE CONCRETE SAND. AASHTO M–6 GRADATION IS ALSO ACCEPTABLE.

2. SAND MUST BE SILICA BASED. NO LIMESTONE BASED PRODUCTS MAY BE USED. IF THE MATERIAL IS WHITE OR GRAY IN COLOR, IT IS PROBABLY NOT ACCEPTABLE.

3. SAND MUST BE CLEAN. NATURAL, UNWASHED SAND DEPOSITS MAY NOT BE USED. LIKEWISE, SAND THAT HAS BECOME CONTAMINATED BY IMPROPER STORAGE OR INSTALLATION PRACTICES WILL BE REJECTED.

4. MANUFACTURED SAND OR STONE DUST IS NOT ACCEPTABLE UNDER ANY CIRCUMSTANCE.

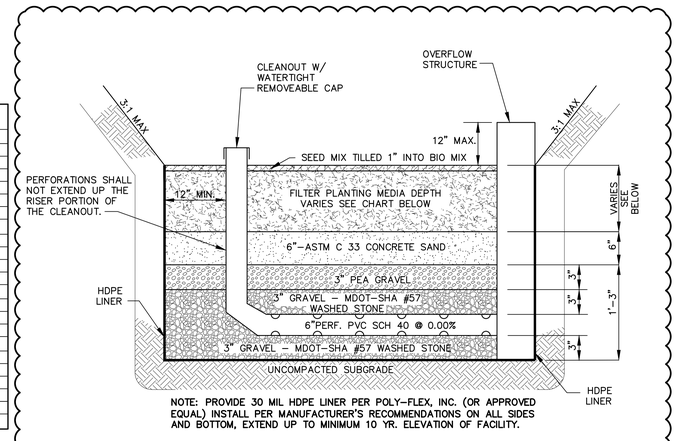
GRAVEL SPECIFICATIONS

THE GRAVEL LAYER SURROUNDING THE UNDERDRAIN PIPE(S) MUST MEET MSHA SIZE #7, AND MUST PROVIDE A MINIMUM OF 6 INCHES COVER OVER THE PIPE(S), AND MINIMUM 3 INCHES UNDER THE PIPE. NO GEOTEXTILE OR FILTER FABRIC IS ALLOWED TO BE PLACED HORIZONTALLY ANYWHERE WITHIN THE FILTER MEDIA. THE GRAVEL MUST BE CLEAN AND MUST BE STORED AND INSTALLED IN SUCH A MANNER THAT IT DOES NOT BECOME CONTAMINATED WITH SEDIMENT BEFORE OR AFTER INSTALLATION.

UNDERDRAIN SPECIFICATIONS

THE UNDERDRAIN PIPE CONSISTS OF 6–INCH DIAMETER SCHEDULE 40 OR STRONGER PERFORATED PVC PIPE AT 0.00% SLOPE. PERFORATIONS MUST BE 3/8 INCH IN DIAMETER AND MUST BE LOCATED 4 INCHES ON CENTER, EVERY 90 DEGREES AROUND THE PIPE. PERFORATED PIPE MUST BEGIN AT LEAST 12"INSIDE THE FILTER MEDIA. FILTER FABRIC MUST NOT BE WRAPPED AROUND THE UNDERDRAIN PIPE. WATERTIGHT CLEAN–OUTS FOR EACH PIPE SHALL BE LEVEL WITH THE TOP OF THE MULCH. ALL CLEANOUTS SHALL HAVE A REMOVABLE WATERPROOF CAP. CLEANOUTS MUST BE CAPPED IMMEDIATELY AFTER THE FILTER MEDIUM IS IN PLACE.

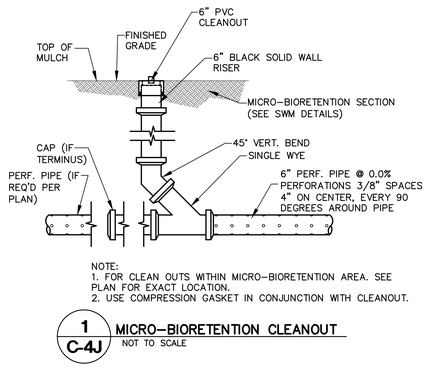
SWM FACILITY	SOIL FILTER DEPTH	
SWM–1	4.00'	
SWM–2	4.00'	
SWM–3	3.00'	
SWM–4	4.00'	
SWM–5	4.00'	
SWM–6	4.00'	
SWM–7	2.00'	
SWM–8	2.00'	
SWM–9	2.00'	
SWM–10	2.00'	
SWM–11	2.50'	
SWM–12	3.00'	
SWM–13	3.00'	
SWM–14	2.00'	
SWM–15	2.00'	
SWM–16	2.00'	
SWM–17	2.00'	
SWM–18	4.00'	
SWM–20	4.00'	
SWM–22	3.50'	
SWM–23	2.00'	
SWM–24	2.00'	
SWM–25	2.00'	
SWM–26	2.50'	



NOTE: PROVIDE 30 MIL HDPE LINER PER POLY–FLEX, INC. (OR APPROVED EQUAL) INSTALL PER MANUFACTURER'S RECOMMENDATIONS ON ALL SIDES AND BOTTOM, EXTEND UP TO MINIMUM 10 YR. ELEVATION OF FACILITY.

*NOTE: PROVIDE MIRAFI 140N (OR APPROVED EQUAL) ON ALL SIDES OF FACILITY. NO FILTER FABRIC SHALL BE PLACED ON THE BOTTOM OR HORIZONTALLY ACROSS THE BOTTOM.

MICROBIORETENTION FACILITY – TYPICAL SECTION
NOT TO SCALE



NOTE:
1. FOR CLEAN OUTS WITHIN MICRO–BIORETENTION AREA. SEE PLAN FOR EXACT LOCATION.
2. USE COMPRESSION GASKET IN CONJUNCTION WITH CLEANOUT.

1 / C-4J **MICRO–BIORETENTION CLEANOUT**
NOT TO SCALE

INSPECTION & MAINTENANCE BY OWNER

GRAVEL WETLAND AND MICRO–BIORETENTION FACILITIES

- INSPECTION AND MAINTENANCE SHALL OCCUR ANNUALLY OR AFTER ANY MAJOR RAIN EVENT.
- REMOVE SILT AND SEDIMENT FROM SURFACE OF FACILITY WHEN ACCUMULATION EXCEEDS ONE INCH.
- PRUNE PLANTS AND REMOVE WEEDS AS NEEDED. REMOVE AND REPLACE ANY DEAD VEGETATION AS NEEDED. WATER PLANTS DURING PROLONGED DRY PERIODS AS NEEDED.
- REMOVE TRASH AND DEBRIS FROM FACILITY.
- IN MICRO–BIORETENTION FACILITIES, IF WATER PONDS FOR MORE THAN 48 HOURS, REMOVE AND REPLACE THE HARDWOOD MULCH LAYER AND 2–3 INCHES OF PLANTING SOIL LAYER (AS NEEDED).
- IN MICRO–BIORETENTION FACILITIES, REMOVE AND REPLACE THE HARDWOOD MULCH LAYER ANNUALLY.

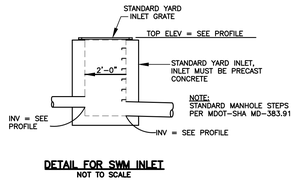
INSPECTION/MAINTENANCE SCHEDULE

THE COUNTY SHALL ENSURE THAT PREVENTIVE MAINTENANCE IS PERFORMED BY INSPECTING ALL PRIVATE STORMWATER MANAGEMENT SYSTEMS. INSPECTION SHALL OCCUR DURING THE FIRST YEAR OF OPERATION AND EVERY THREE (3) YEARS THEREAFTER, OR AFTER SEVERE STORMS. COUNTY SHALL NOTIFY OWNER OF ANY DEFICIENCIES DISCOVERED DURING THE INSPECTION. THE OWNER SHALL HAVE THIRTY (30) DAYS TO CORRECT THE DEFICIENCIES.

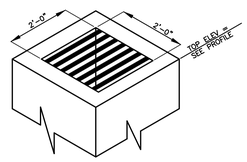
STORM DRAIN NOTES:

1. HDPE PIPE SHALL BE ADS TYPE N–12 OR APPROVED EQUAL. ALL JOINTS OF THE HDPE PIPE MUST MEET A MODIFIED ASTM 3212 AT 3.5 PSI HELD FOR 10 MINUTES. AS CERTIFIED BY AN INDEPENDENT TESTING LAB, AND HAVE DOUBLE GASKETS.

2. ALL PVC PIPE MUST BE SCH–40 OR THICKER, U.N.O.



DETAIL FOR SWM INLET
NOT TO SCALE



TOP DIMENSIONS FOR SWM INLET
NOT TO SCALE

STORM STRUCTURE NOTES:

1. CONTRACTOR SHALL SUBMIT CERTIFICATION THAT ALL STRUCTURES SUPPORT H–20 TYPE TRAFFIC LOADING. FOR REVIEW AND APPROVAL BY THE DESIGN ENGINEER.

2. TOP OF CURB HEAD PIECE ON ALL INLETS MUST MATCH ON–LINE AND AT GRADE WITH ADJACENT CURB.

3. INSTALL FLEXIBLE GASKET ADAPTER FOR ALL STRUCTURES WHERE PVC PIPE ENTERS/EXITS A CONCRETE STRUCTURE IN ACCORDANCE WITH WSSC STANDARDS AND SPECIFICATIONS.

4. ALL EXPOSED METAL SURFACES (I.E. LINTELS, GRATES, MANHOLE COVERS, ETC.) SHALL BE PAINTED WITH TWO (2) COATS OF BATTLESHIP GRAY PAINT (ZINC RICH).

5. TOP/GRADE ELEVATIONS ARE TO THE TOP CENTER OF STRUCTURE, NOT TO FLOW LINE.

6. ALL INLET TOP SLAB FRONT FACES SHALL BE PAINTED WITH THE FOLLOWING STORM DRAIN SIGN "CHESAPEAKE BAY DRAINAGE" & "DO NOT DUMP".

7. ALL MANHOLE FRAMES SHALL BE SECURELY ANCHORED TO THE TOP SLAB PER WSSC DETAIL 5/S4.3. (MAX. MANHOLE FRAME HEIGHT = 9")

8. ALL INLET GRATES SHALL BE BOLTED TO FRAME.

9. ALL STORM STRUCTURES INCLUDING MANHOLES, INLETS, END WALLS, AND PIPE SUPPORTS SHALL BE PRECAST. IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE THE PRECAST MANUFACTURER DESIGN AND SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR REVIEW PRIOR TO PRECASTING BY A MARYLAND LICENSED P.E.

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED INFORMATION FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AA

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPILED INFORMATION FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

BID SET
FCPS #19C14

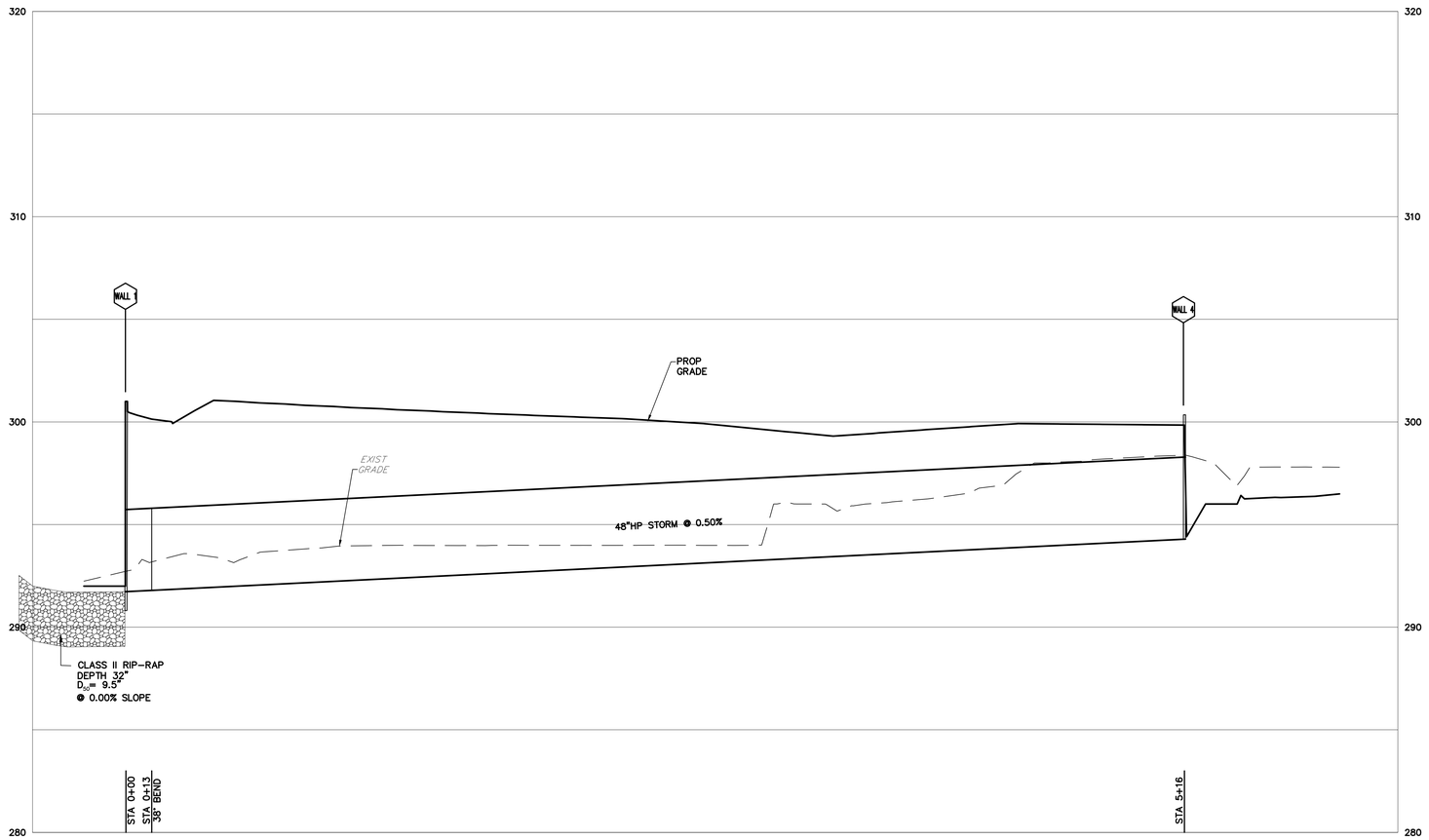
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AA

I:\Proj\17160A – Rock Creek School\Drawings 17160A\DWG\C–4AA STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019



WALL 1 TO WALL 4
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4AB STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

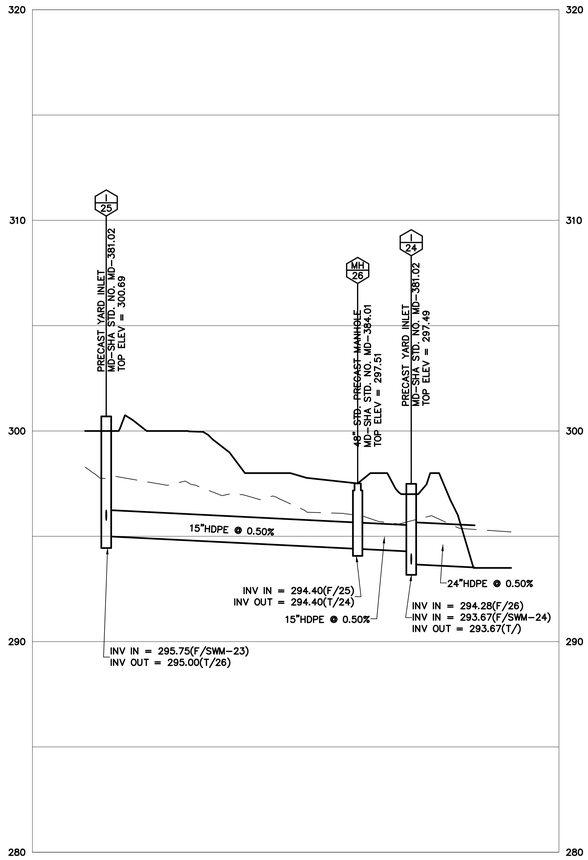
REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AB

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

BID SET
FCPS #19C14



I-25 TO POND

SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

I:\Proj\171604 - Rock Creek School\Drawings 17160A\DWG\C-4AC STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
License No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

ISSUE

REV.	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019

STORM DRAIN PROFILES

C-4AC

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
License No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

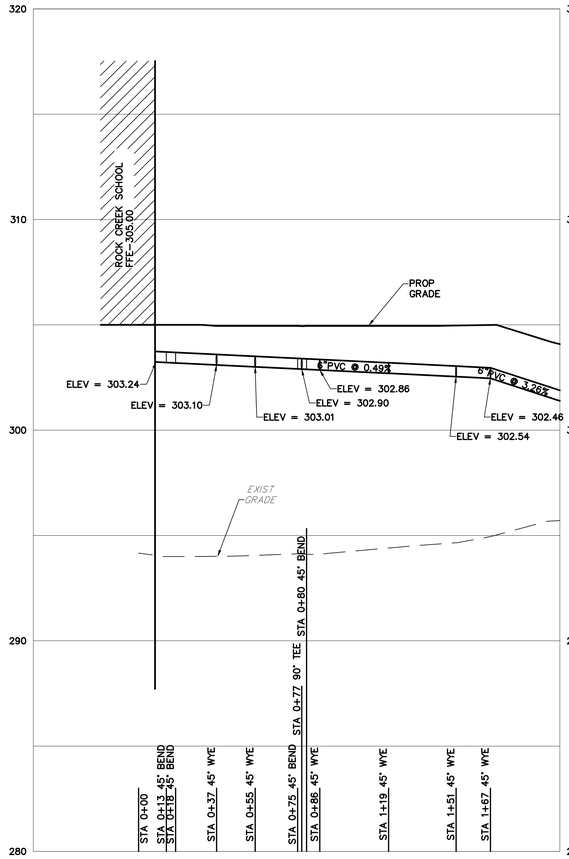
ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

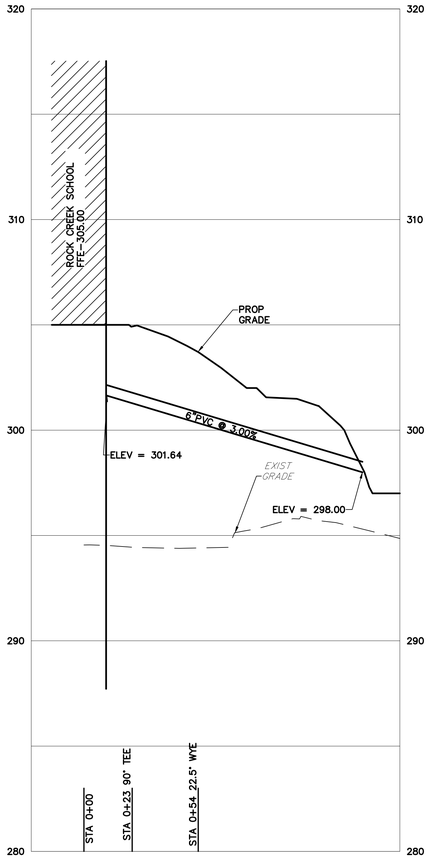
PROJECT NO.: 2017171.00
DATE: 07-01-2019

STORM DRAIN PROFILES

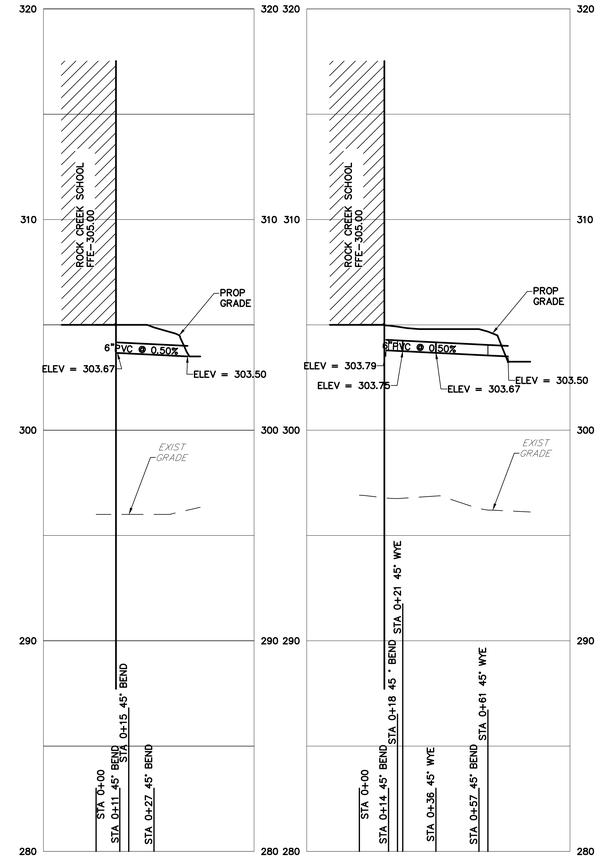
C-4AC



ROOF DRAIN A
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



ROOF DRAIN B
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



ROOF DRAIN C
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

ROOF DRAIN D
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPUTER-AIDED DESIGN AND DRAFTING FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV.	DATE	DESCRIPTION

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AD

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE COMPUTER-AIDED DESIGN AND DRAFTING FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS #19C14

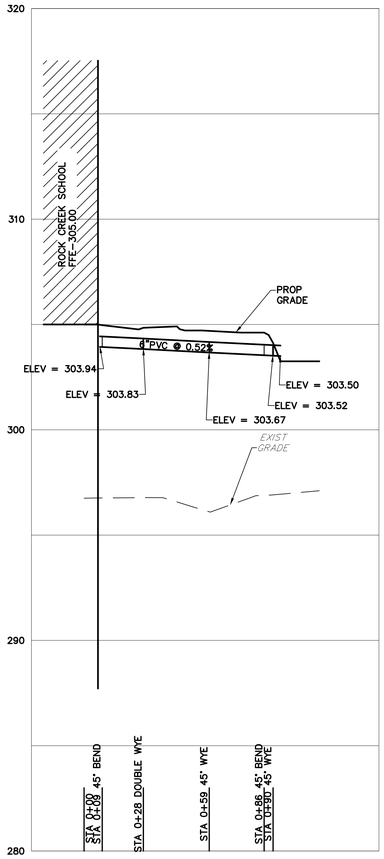
ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

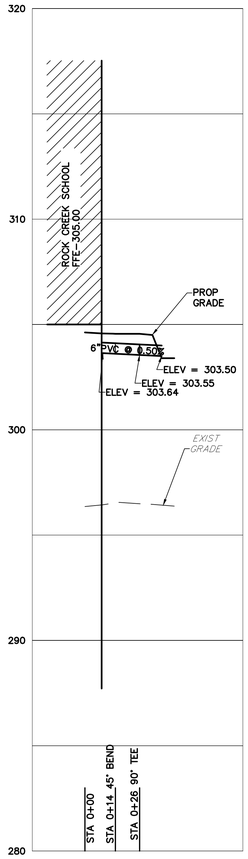
PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AD

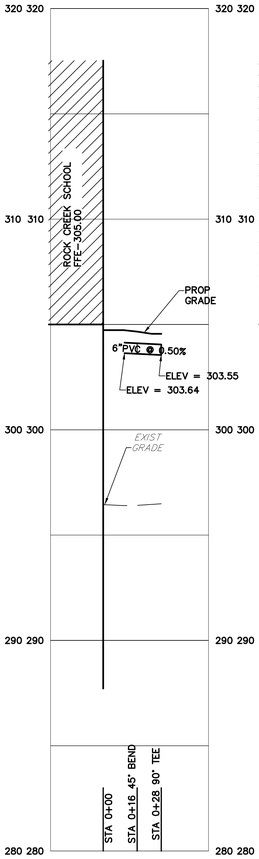
J:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4AD STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019



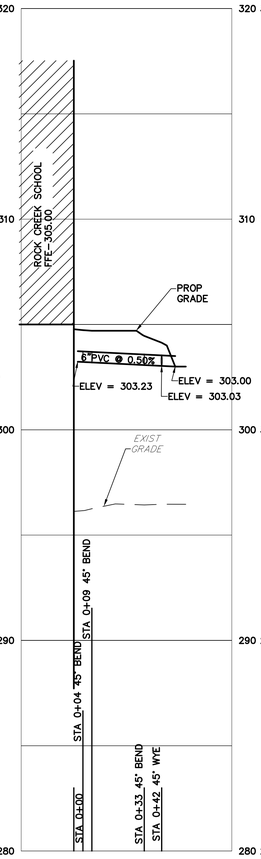
ROOF DRAIN E
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



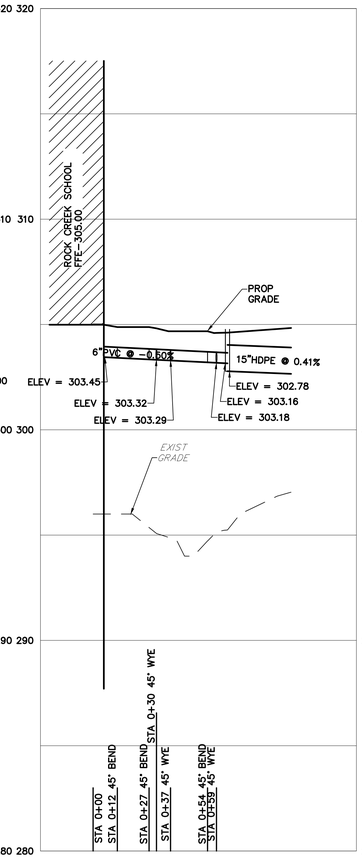
ROOF DRAIN F
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



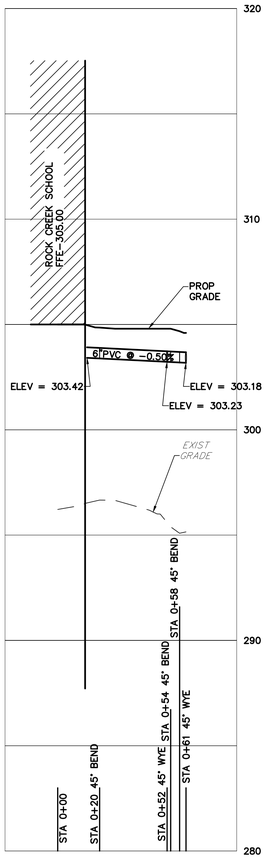
ROOF DRAIN G
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



ROOF DRAIN H
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



ROOF DRAIN J
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)



ROOD DRAIN K
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4AE STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AE

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

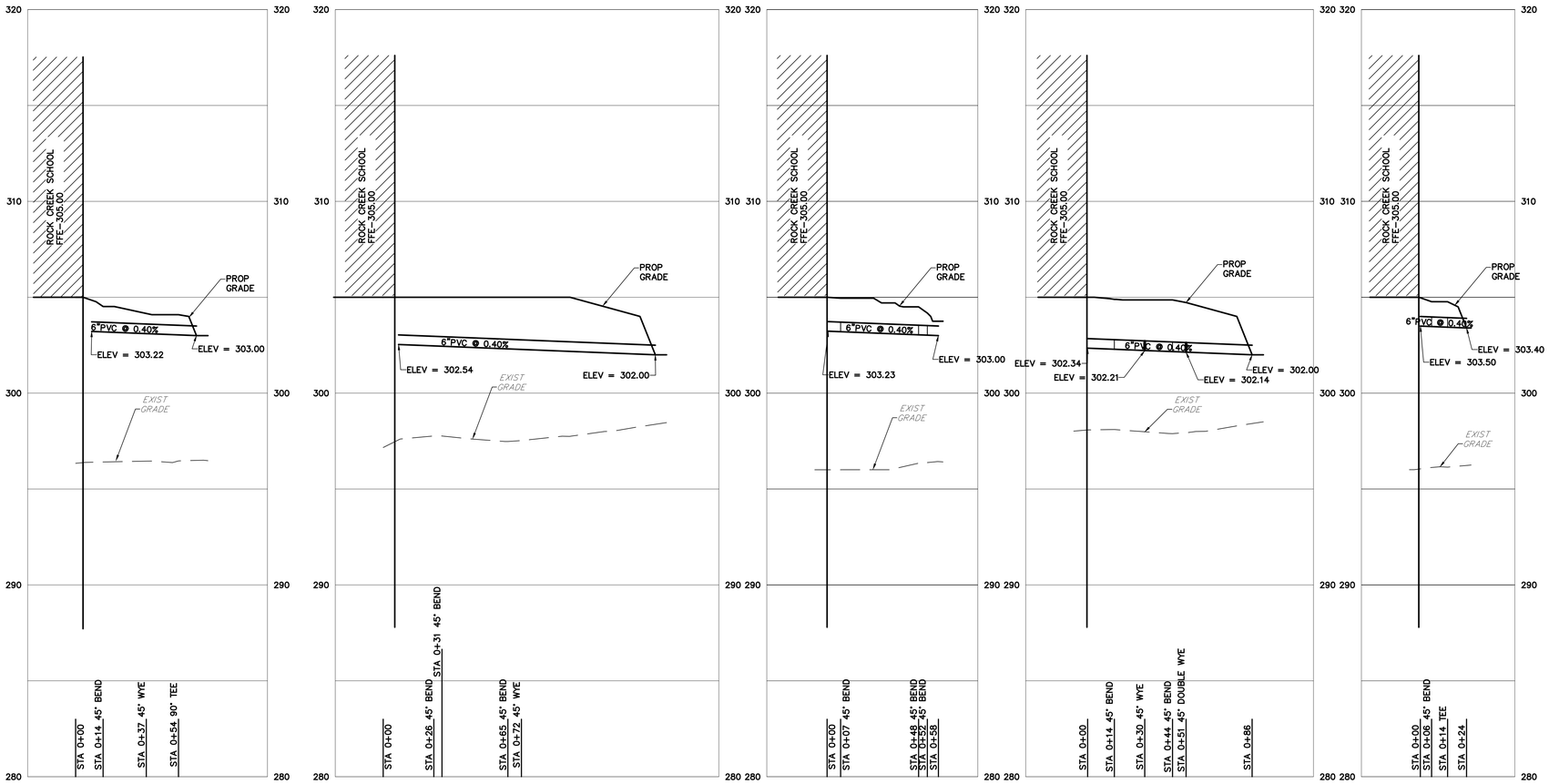
ISSUE		
REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AE

BID SET
FCPS #19C14

ISSUE		
REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5



ROOF DRAIN L
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

ROOF DRAIN M
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

ROOF DRAIN N
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

ROOF DRAIN ALT 1
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

ROOF DRAIN ALT 2
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

I:\Proj\171604 - Rock Creek School\Drawings 171604\DWG\C-4AF STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 545-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AF

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

BID SET
FCPS #19C14

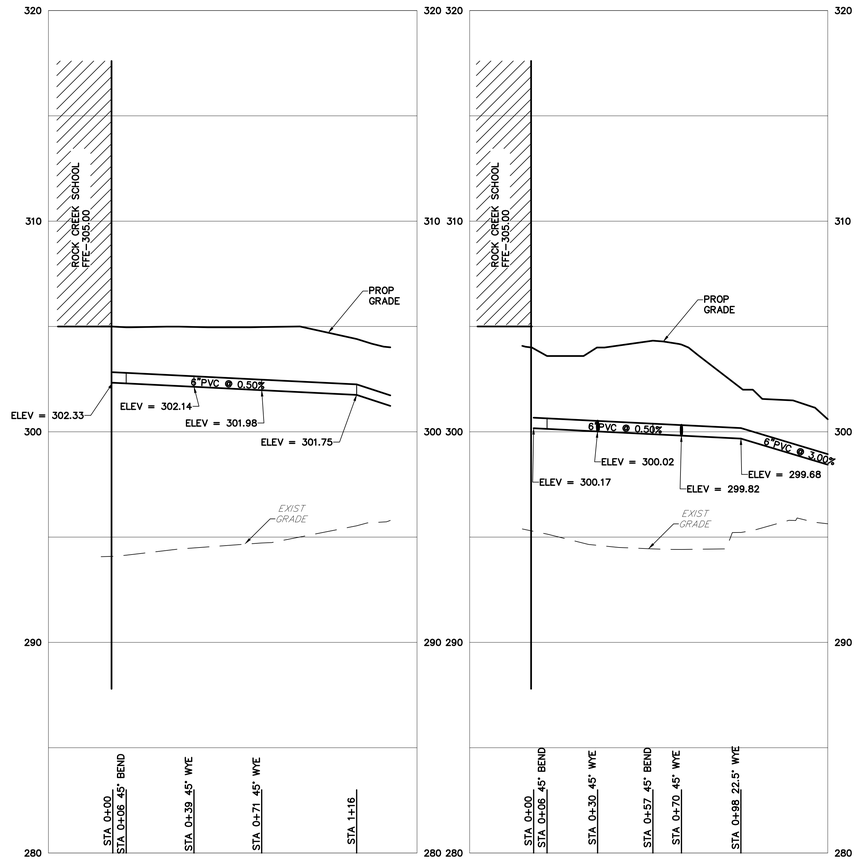
NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AF



ROOF DRAIN ALT 4 A
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

ROOF DRAIN ALT 4 B
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
150 South East Street, Suite 201
Frederick, Maryland 21701
Phone: 301.662.4408
Fax: 301.662.7484
www.adtekengineers.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION

FREDERICK COUNTY DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ DEVELOPMENT REVIEW CHIEF DATE

APPROVED: _____ STORMWATER MANAGEMENT DATE

REVIEWED IN ACCORDANCE WITH LOCAL COUNTY REQUIREMENTS. FREDERICK COUNTY ASSUMES NO LIABILITY FOR DESIGN AND/OR CONSTRUCTION. APPROVAL IS VALID FOR TWO (2) YEARS AFTER THE LAST DATE SHOWN ABOVE. THE PROJECT MUST BE UNDER CONSTRUCTION BEFORE THE APPROVAL EXPIRATION TO BE CONSIDERED ACTIVE. OTHERWISE, RESUBMITTAL OF PLANS, INCLUDING APPLICABLE FEES, MUST BE MADE TO DEVELOPMENT REVIEW FOR APPROVAL. FEES FOR RESUBMITTAL CANNOT BE WAIVED.

REV.#	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISION ONLY *	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

C-4AG

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 44054
EXPIRATION DATE 09 JUNE 2021

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

BID SET
FCPS #19C14

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

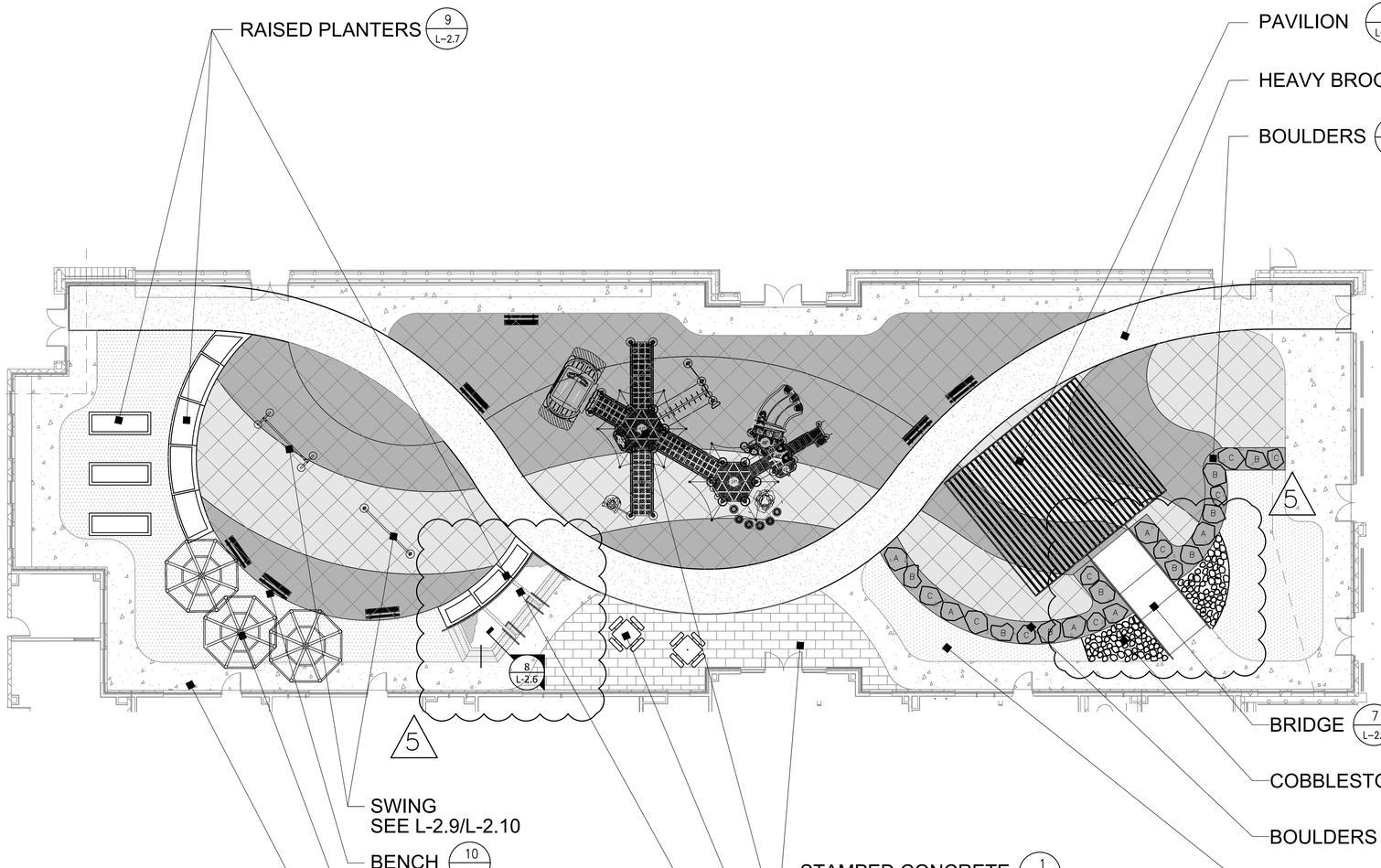
ISSUE

REV	DATE	DESCRIPTION
	7/18/19	ADDENDUM 3
	7/25/19	ADDENDUM 4
	7/29/19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019
STORM DRAIN PROFILES

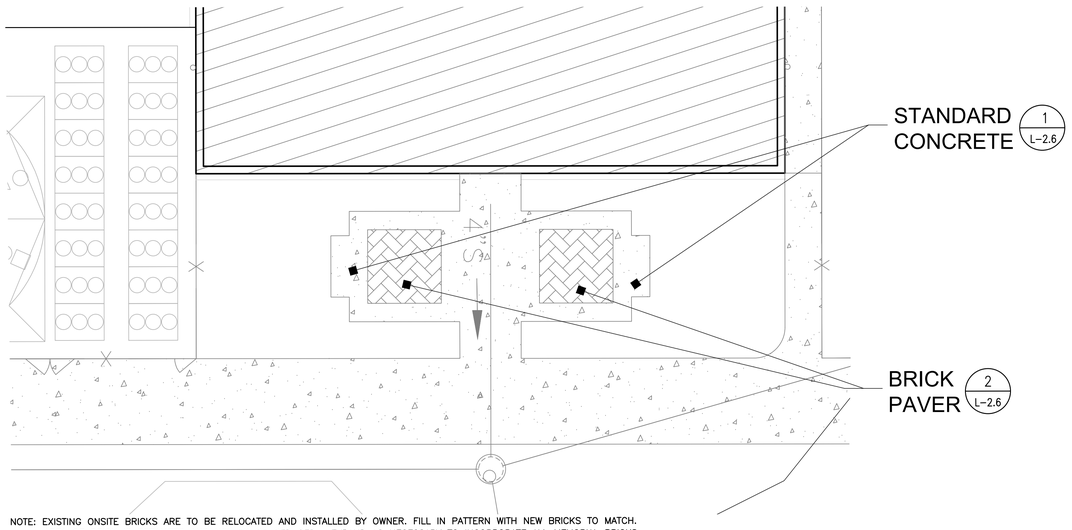
C-4AG

I:\Proj\171604 – Rock Creek School\Drawings 171604\DWG\C-4AG STORM DRAIN PROFILES.dwg PLOTTED Jul 29, 2019



LEGEND

- CONCRETE SLAB
- STAMPED CONCRETE
- FALL PLAY SURFACE WITH COLOR PATTERN
- BROOM FINISH CONCRETE
- STANDARD CONCRETE
- SYNTHETIC TURF
- BENCH
- PAVILION
- RAISED PLANTER
- CANOPY SHADE STRUCTURE
- PICNIC TABLE
- BOULDER
- STEPPING STONES



NOTE: EXISTING ONSITE BRICKS ARE TO BE RELOCATED AND INSTALLED BY OWNER. FILL IN PATTERN WITH NEW BRICKS TO MATCH. AREA OF BRICK IS ESTIMATED AND NOT TO BE REDUCED. EXPAND AS NECESSARY TO INCORPORATE ALL MEMORIAL BRICKS.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE
ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL

7.29.2019

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT® PROFFITT & ASSOCIATES ARCHITECTS

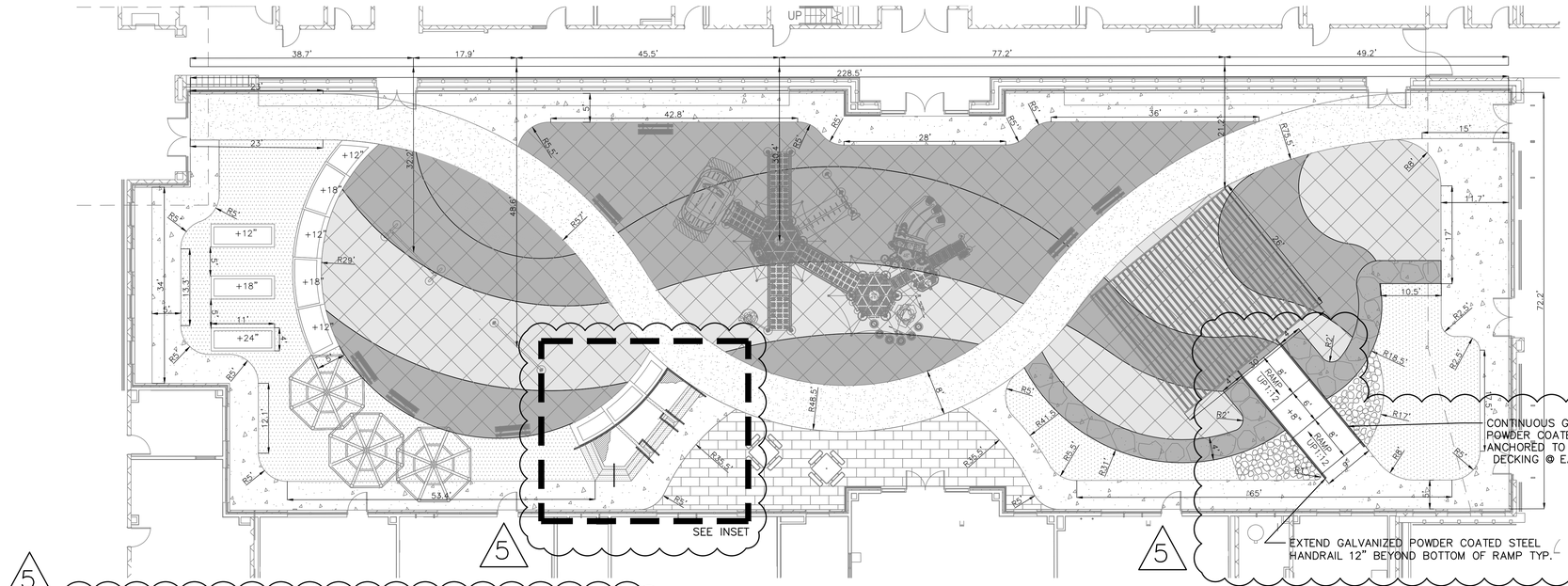
ISSUE

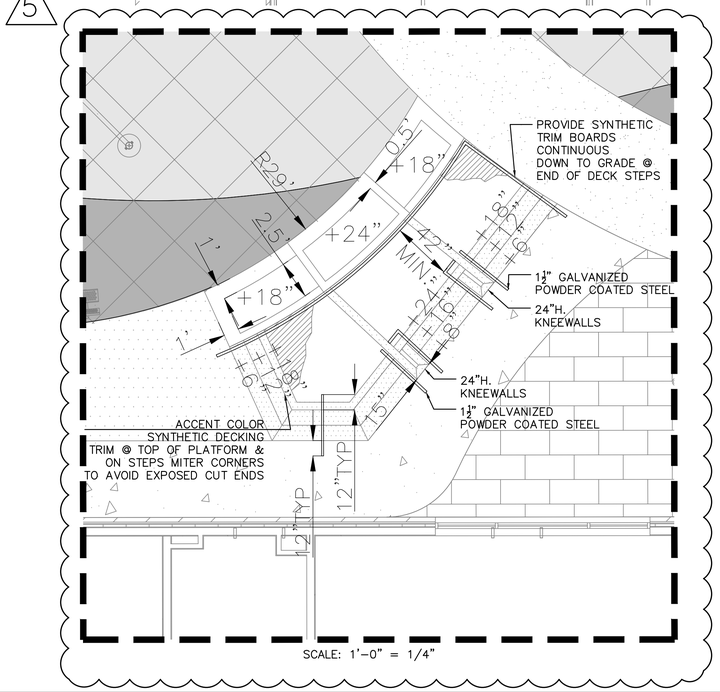
REV	DATE	DESCRIPTION
1	7.30.19	ADDENDUM 5

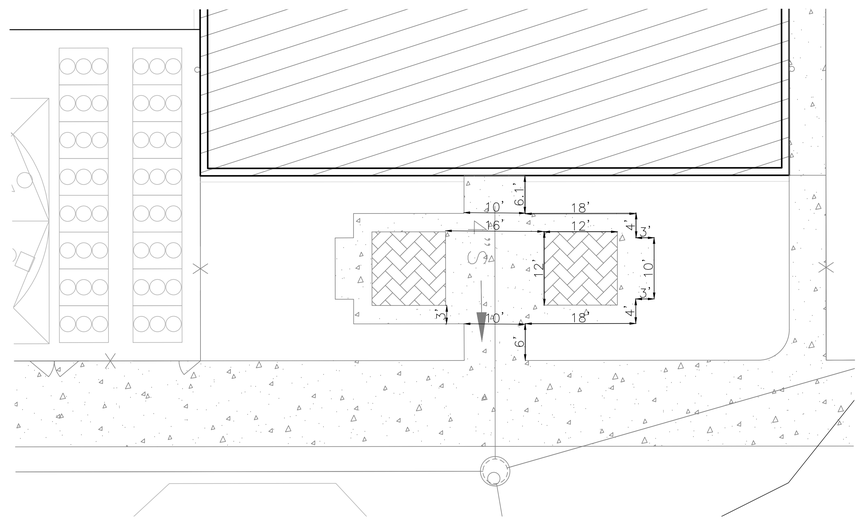
PROJECT NO.: 2017171.00
DATE: 07-01-2019

COURTYARD/ GARDEN MATERIALS PLAN L-2.4

NORTON LAND DESIGN
LANDSCAPE ARCHITECTURE + ENVIRONMENTAL PLANNING
5146 DORSEY HALL DRIVE, 2ND FLOOR
ELLICOTT CITY, MD 21042
P.443.542.9199
WWW.NORTONLANDDESIGN.COM







LEGEND

- STAMPED CONCRETE
- CONCRETE PAVERS
- FALL PLAY SURFACE
- BROOM FINISH CONCRETE
- STANDARD CONCRETE
- SYNTHETIC TURF
- PAVILION
- +12" RAISED PLANTER W/ ELEVATION
- CANOPY SHADE STRUCTURE
- PICNIC TABLE
- BOULDER
- STEPPING STONES

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5924
info@beckermorgan.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL
LANDSCAPE ARCHITECT
STATE OF MARYLAND
7.29.2019

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
PROFFITT & ASSOCIATES ARCHITECTS
© COPYRIGHT

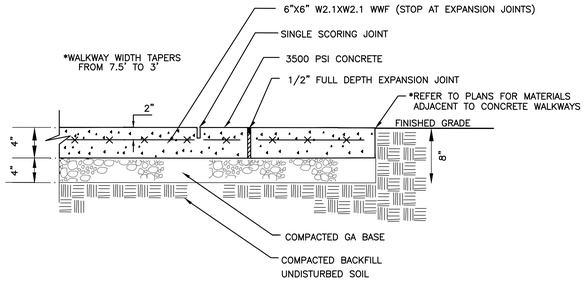
BID SET
FCPS BID #19C14

ISSUE		
REV	DATE	DESCRIPTION
1	7.30.19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

COURTYARD/ MEMORIAL DIMENSIONING PLAN
L-2.5

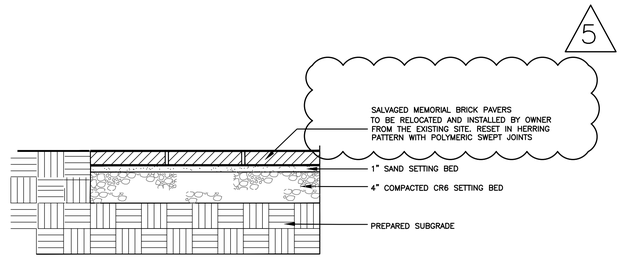
NORTON LAND DESIGN
LANDSCAPE ARCHITECTURE + ENVIRONMENTAL PLANNING
5146 DORSEY HALL DRIVE, 2ND FLOOR ELLICOTT CITY, MD 21042
P.443.542.9199 WWW.NORTONLANDDESIGN.COM



NOTE: CONCRETE COLOR SELECTION TO BE PROVIDED TO ARCHITECT AND LANDSCAPE ARCHITECT FOR APPROVAL.

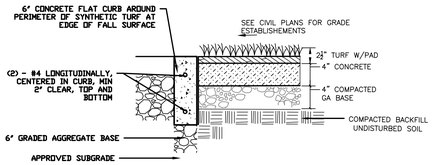
1 STANDARD/BROOM FINISH/STAMPED CONCRETE

NOT TO SCALE



2 BRICK PAVERS

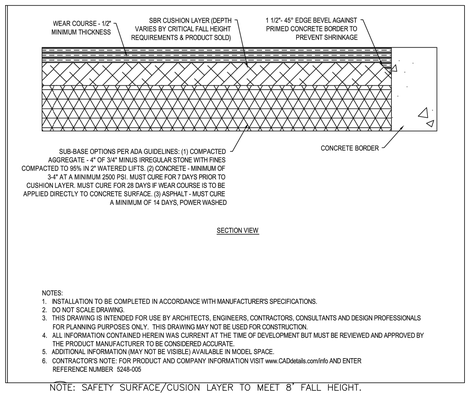
NOT TO SCALE



NOTE: SEE CIVIL DRAWINGS FOR UNDERDRAIN INFORMATION

3 SYNTHETIC TURF

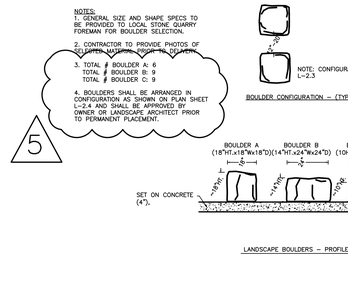
NOT TO SCALE



NOTE: SAFETY SURFACE/CUSION LAYER TO MEET 8" FALL HEIGHT.

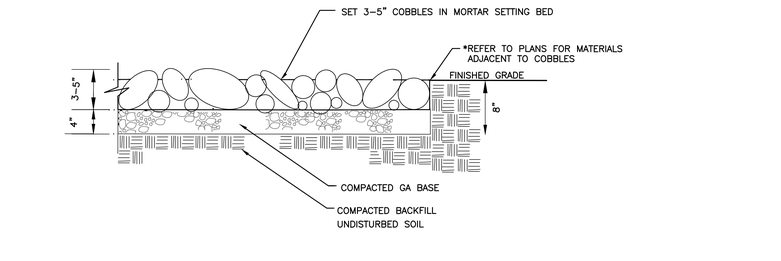
4 FALL SURFACE - GT IMPAX OR APPROVED EQUAL

NOT TO SCALE



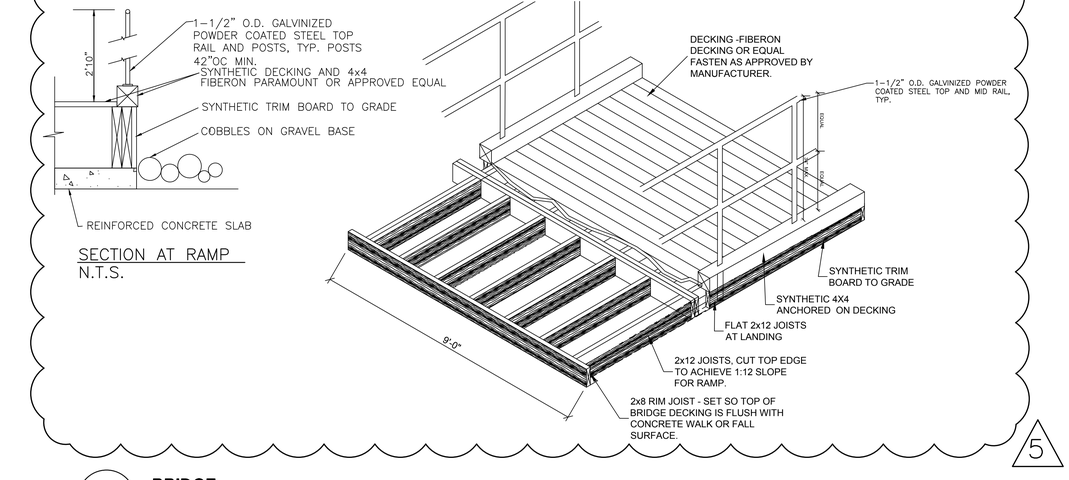
5 BOULDERS

NOT TO SCALE



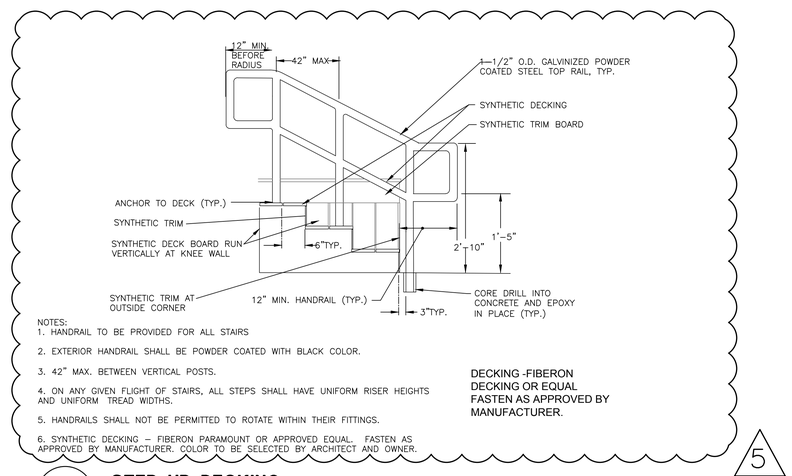
6 COBBLESTONE PAVING

NOT TO SCALE



7 BRIDGE

NOT TO SCALE



8 STEP UP DECKING

NOT TO SCALE

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

THESE AS-BUILTS OR RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION IMPARTED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 00000
EXPIRATION DATE 00-00-0000

SEAL
LANDSCAPE ARCHITECT
6.25.2019

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

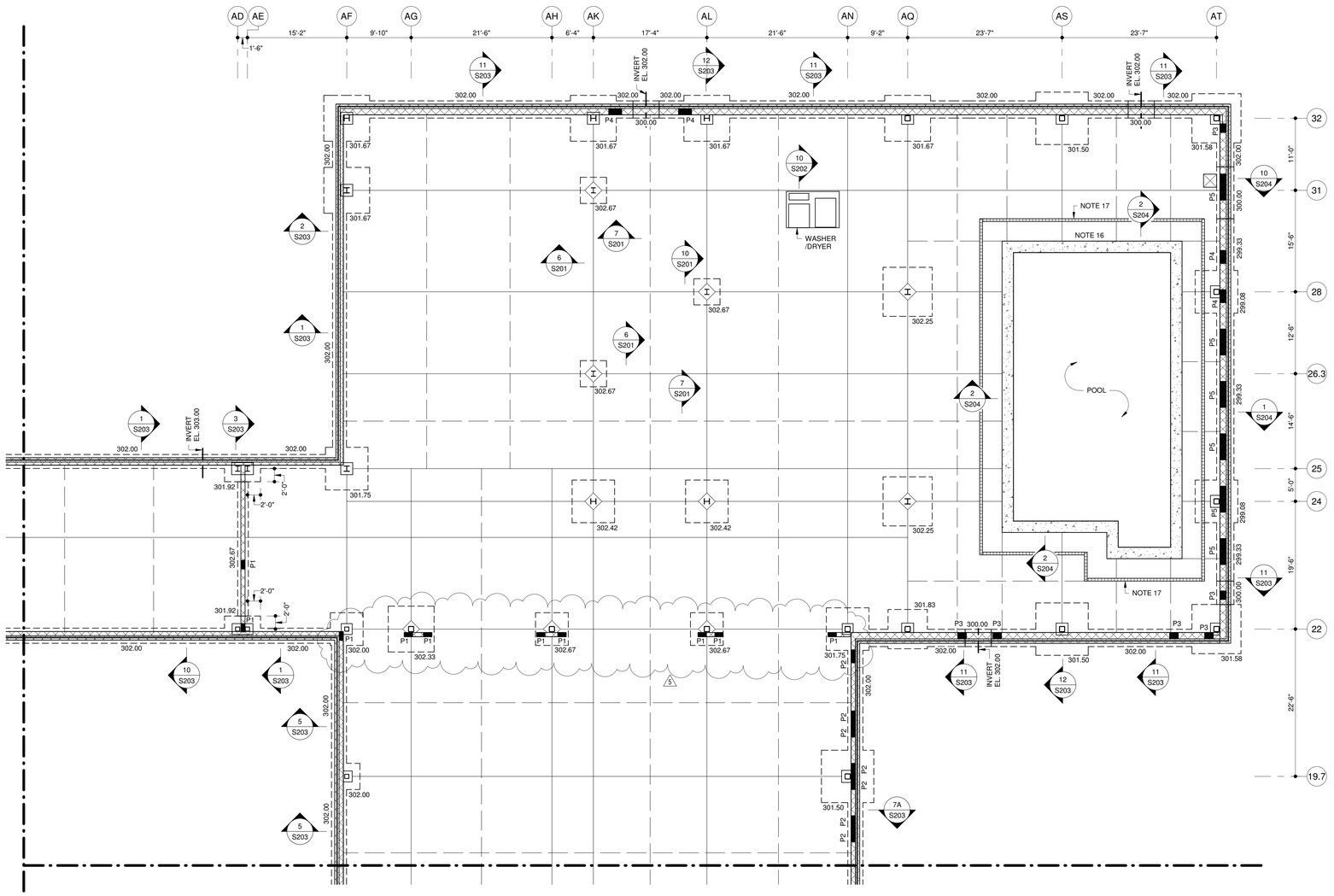
ISSUE

REV	DATE	DESCRIPTION
1	7.30.19	ADDENDUM 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

COURTYARD DETAILS
L-2.6

NORTON LAND DESIGN
LANDSCAPE ARCHITECTURE + ENVIRONMENTAL PLANNING
5146 DORSEY HALL DRIVE, 2ND FLOOR
ELLICOTT CITY, MD 21042
P.443.542.9199
WWW.NORTONLANDDESIGN.COM



NORTH

FOUNDATION & FIRST FLOOR PLAN - PART 'B' SCALE: 1/8" = 1'-0"

1. SEE FOUNDATION NOTES ON S101D FOR ADDITIONAL INFORMATION.

Proffitt & Assoc. ARCHITECTS

49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING

312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

morabito consultants
Structural Engineers | Parking Consultants
952 Ridgebrook Road, Suite 1700
Sparks, MD 21152-9472
410.467.2377 | www.morabitoconsultants.com

© Copyright Morabito Consultants, Inc.

P17316

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 33099
EXPIRATION DATE JUNE 20, 2021

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

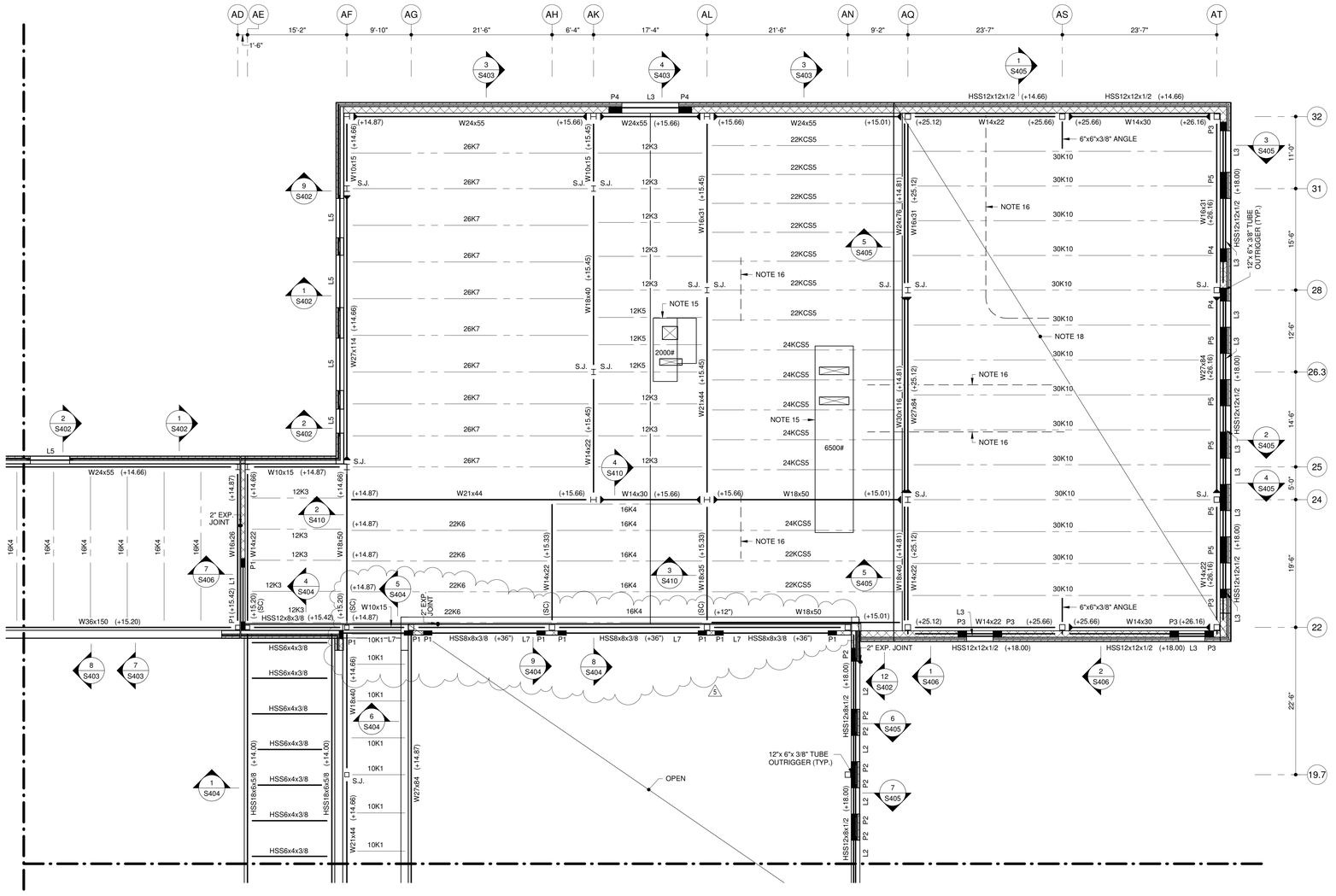
REV	DATE	DESCRIPTION
5	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

FOUNDATION AND FIRST FLOOR PLAN - AREA B

S101B

KEY PLAN



ROOF FRAMING PLAN - PART 'B' SCALE: 1/8" = 1'-0"

1. SEE ROOF NOTES ON S102D FOR ADDITIONAL INFORMATION.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

morabito consultants
Structural Engineers | Parking Consultants
952 Ridgebrook Road, Suite 1700
Sparks, MD 21152-9472
410.467.2377 | www.morabitoconsultants.com

© Copyright Morabito Consultants, Inc.

P7701

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 33099
EXPIRATION DATE JUNE 20, 2021

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
558 WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

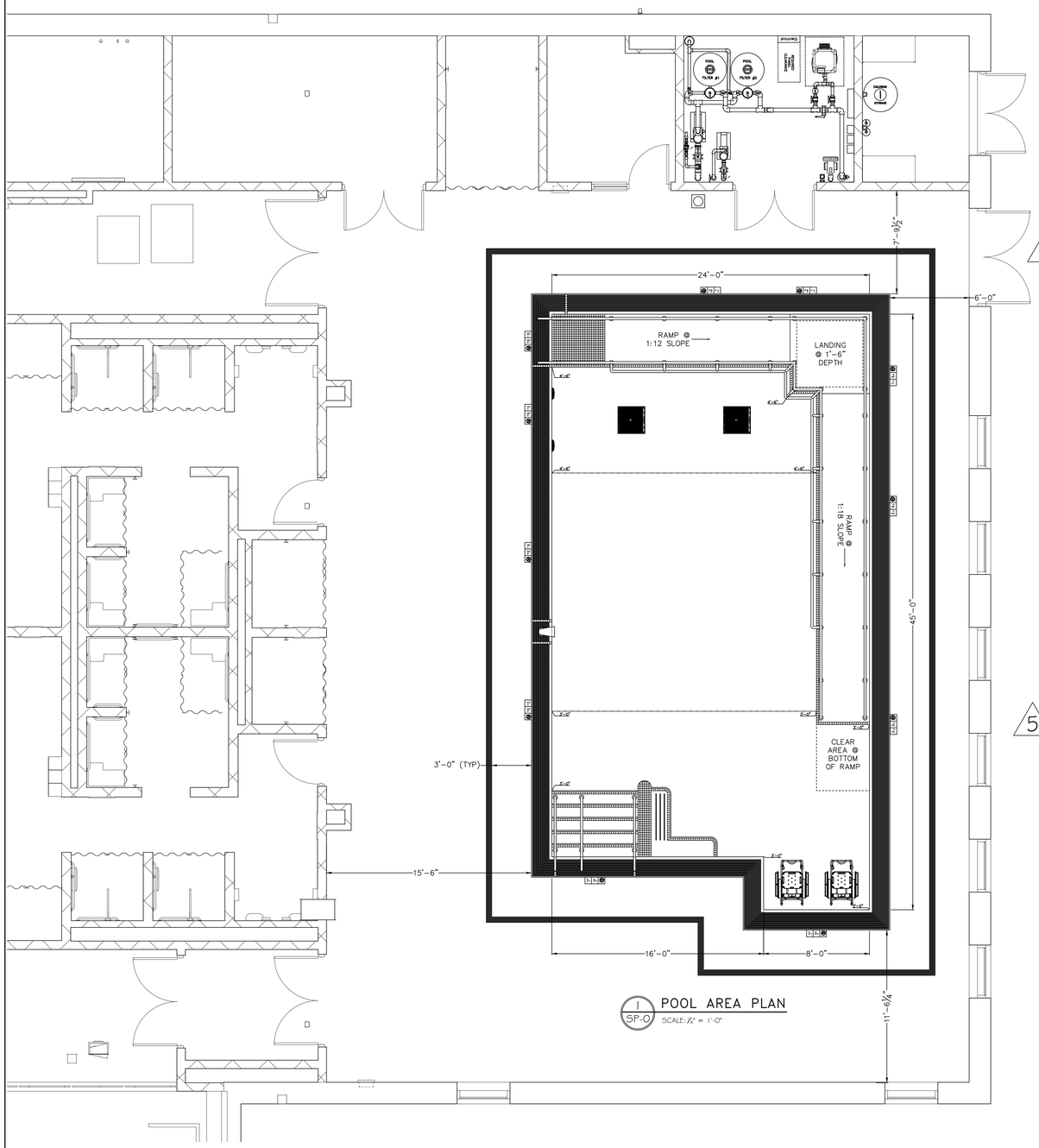
REV	DATE	DESCRIPTION
5	7.30.19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-01-2019

ROOF FRAMING PLAN - AREA B

S102B

KEY PLAN



1 SP-0 POOL AREA PLAN

SCALE: ¼" = 1'-0"

POOL CRITICAL DATA	
AREA	1,014 SQ. FT.
PERIMETER	137 L. F.
VOLUME	23,658 GALLONS
TURNOVER	3 HOURS
RECIRC. RATE	131 GPM
BATHER LOAD	67 BATHERS

SWIMMING POOL SAFETY EQUIPMENT

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	1	PENTAIR R221026	LIFE HOOK
2	1	PENTAIR LP16	LIFE HOOK POLE
3	1	KEMP 10-205	LIFE RING - 24" WHITE
4	1	RECREONICS 12-261	LIFE RING THROW ROPE - 60 FOOT LENGTH
5	1	KEMP 10-993	SPINEBOARD
6	3	KEMP 10-301	SPINEBOARD STRAPS - QUICK RELEASE
7	1	KEMP 10-706	FIRST AID KIT - 36 UNIT - 50 PERSON
8	1	KEMP 10-603	FIRST AID BLANKET
9	1	KEMP 10-001	HEAD IMMOBILIZER
10	1	RECREONICS 12-638	GOGGLES
11	1	RECREONICS 12-676	GLOVES
12	1	RECREONICS 12-677	APRON
13	1	RECREONICS 12-436	CPR POCKET FACE MASK
14	1	RECREONICS 12-998	50 INCH RESCUE TUBE
15	1	RECREONICS 12-041	BLOODBORNE PATHOGEN CLEAN-UP KIT

SWIMMING POOL MAINTENANCE EQUIPMENT

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	1	PENTAIR R191306	8' TO 16' TELESCOPING POLE
2	1	PENTAIR R121026	SKIMMER NET
3	1	PENTAIR R201126	VACUUM HEAD - 19"
4	1	OREQ AF250	VACUUM HOSE - 50'
5	1	PENTAIR R111046	WALL BRUSH - 18"
6	2	RECREONICS 10-354	POLE WALL BRACKETS - PAIR
7	3	RECREONICS 10-330	POLES - 8' MALE FEMALE
8	1	ADVANTAGE PORTAVAC	PORTABLE VACUUM - 1.5 H.P. - 150 SQ. FT.
9	1	DURAMAX 10-507	DURAMAX JR - ROBOTIC POOL CLEANER

SWIMMING POOL SIGNAGE

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	1	AQUATIC TECH MD2000WS1824F	MARYLAND PUBLIC POOL REGULATIONS - 18" X 24"
2	2	COMPLIANCE SIGNS OCE-31644	CAUTION CHEMICAL STORAGE - 14" X 10" - PLASTIC

SWIMMING POOL DECK EQUIPMENT

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	3	S.R. SMITH CUSTOM	HANDRAIL - 5'-6" LOOP RAIL - 4'-0" P.T.P. - 1.90" O.D. X 0.065" WALL STAINLESS STEEL
2	AR	S.R. SMITH CUSTOM	BARRIER RAIL W/ EXERCISE BAR - 1.90" O.D. X 0.065" WALL STAINLESS STEEL
3	AR	S.R. SMITH CUSTOM	LOOP HANDRAIL FOR RAMP - 1.90" O.D. X 0.065" WALL STAINLESS STEEL
4	36	ACTIVE BRASS 44-300	BRONZE WEDGE ANCHORS - FOR 1.90" O.D. RAIL
5	36	RECREONICS 44-313	ESCUTCHEONS - FOR 1.90" O.D. RAILS
6	~175'	PADDOCK CUSTOM	S.S. DECK DRAIN W/ HDPE GRATING TO MATCH GUTTER GRATING - FURNISHED AND INSTALLED BY POOL CONTRACTOR - PLUMBING CONNECTIONS BY PLUMBING CONTRACTOR
7	2	S.R. SMITH AC0000	MOBILE AQUATIC WHEELCHAIR

SWIMMING POOL IN-POOL FIXTURES

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	2	PADDOCK 1818ESMD-FC	18" X 18" ENTRAPMENT SAFE MAIN DRAIN W/ 2424PCFC FLAT COVER
2	~140 L.F.	PADDOCK R300TG	PERIMETER GUTTER SYSTEM W/ SLOPED GRATE

SWIMMING POOL FILTRATION EQUIPMENT

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	2	PENTAIR 140210	30" DIAMETER SAND FILTER - 4.91 SQ. FT. FILTER AREA PER FILTER
2	1	PENTAIR 022010	PENTAIR WHISPERFLO XF SERIES PUMP W/ STRAINER - MODEL XFE-12 - 3 H.P. - 75 TDH @ 131 GPM, 208-230V - 1 PH
3	2	WIKA 9699117	PRESSURE GAUGE - 4" DIAMETER - 0-60 PSI RANGE - LIQUID FILLED
4	1	WIKA 9767576	VACUUM GAUGE - 4" DIAMETER - 30"-0-30 PSI RANGE - LIQUID FILLED
5	1	H2FLOW FV-3	3" FLOWVIS FLOW METER
6	1	H2FLOW FV-C	2" FLOWVIS FLOW METER
7	1	ROTRON DG505AN36M	BLOWER FOR BUBBLE BENCH - PART NO 037935 - MOTOR SPA(ODP)-CS - 2 H.P. - 230V
8	1	PENTAIR 011514	PUMP FOR WATER FEATURE - MODEL WFE-6 - 1½ H.P. - 208-230V
9	AR	PRAHER S-5 SERIES	VALVES - TRUE UNION BALL VALVE - PVC
10	AR	ASAHI POOL PRO	VALVES - LEVER OPERATED - QUARTER TURN - BUTTERFLY VALVE

SWIMMING POOL CHEMISTRY EQUIPMENT

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	1	CHEMTAINER TC-4152DC	CHLORINE BULK TANK - 200 GALLON DOUBLE WALL BULK TANK
2	1	STENNER 45M5	CHLORINE PUMP - PERISTALTIC CHEMICAL FEED PUMP - SINGLE HEAD FEEDER - ADJUSTABLE RATE - 2.5 TO 50 GALLONS PER DAY
3	1	HAYWARD AC004	CO2 SINGLE TANK REGULATOR/SOLENOID
4	1	HAYWARD AC006	CO2 AUTO SWITCH OVER - DUAL TANK
5	1	PROMINENT DCM-2CL	AUTOMATIC CHEMISTRY CONTROLLER

SWIMMING POOL WATER LEVEL CONTROL SYSTEM EQUIPMENT

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	1	GEMS SENSORS WARRICK 16VMM1A10606	SERIES 16VM WATER LEVEL CONTROL MODULE - 120V - 11 PIN OCTAL - NEMA 1 ENCLOSURE - 3 PROBE SYSTEM, REFERENCE, LOW, HIGH PROBES - INVERSE OPERATION
2	1	GEMS SENSORS WARRICK 3G3B1	SERIES 3G WATER LEVEL CONTROL PROBE HOLDER - HOLDS 3 PROBES - 3" FLANGE CONNECTION - FOR USE W/ 316 STAINLESS STEEL THREADED PROBES
3	3	GEMS SENSORS WARRICK 3R10C0	GENERAL PURPOSE PROBES FOR WATER LEVEL CONTROL - ¼" THREADED ROD - 10 FEET LONG CUT TO LENGTH - 316 STAINLESS STEEL
4	1	ASCO 8221G007	1" SLOW-CLOSING SOLENOID VALVE - 120V - NORMALLY CLOSED - CONTROLLED BY WATER LEVEL CONTROLLER
5	1	HAYWARD SP-1022S	WALL FITTING - SLIP - STATIC LINE
6	1	HAYWARD SP-1419E	EYEBALL FITTING - STATIC LINE

SWIMMING POOL WATER FEATURES

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	3	PARAMOUNT CUSTOM	BUBBLE BENCH AIR BAR - 48" AIR BAR W/ ALL NECESSARY COMPONENTS FOR COMPLETE INSTALLATION
2	1	FLUVO 91791	COBRA S.S. MINI - 100 GPM - WATER CURTAIN
3	2	PARAMOUNT SDX2	SUMPLESS SUCTION OUTLET

SWIMMING POOL HEATING EQUIPMENT

NO.	QTY.	CATALOG NO.	DESCRIPTION
1	3	PENTAIR 460734	HEATER - NATURAL GAS - MASTERTEMP 300,000 BTU ASME WITH VENT KIT
2	2	TRERICE 32-704	THERMOMETER - IN-LINE THERMOMETER
3	2	TRERICE 32-740	THERMOMETER - 2" BRASS THERMOWELL

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ATLANTIC AQUATIC ENGINEERING
1823 DEEP RUN ROAD
PIPERSVILLE, PENNSYLVANIA 18947
PHONE (215) 766-0409
FAX (215) 766-2578

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO.

EXPIRATION DATE:

SEAL

PETER ANDERSEN, P.E.
CERT. NO. 24184

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

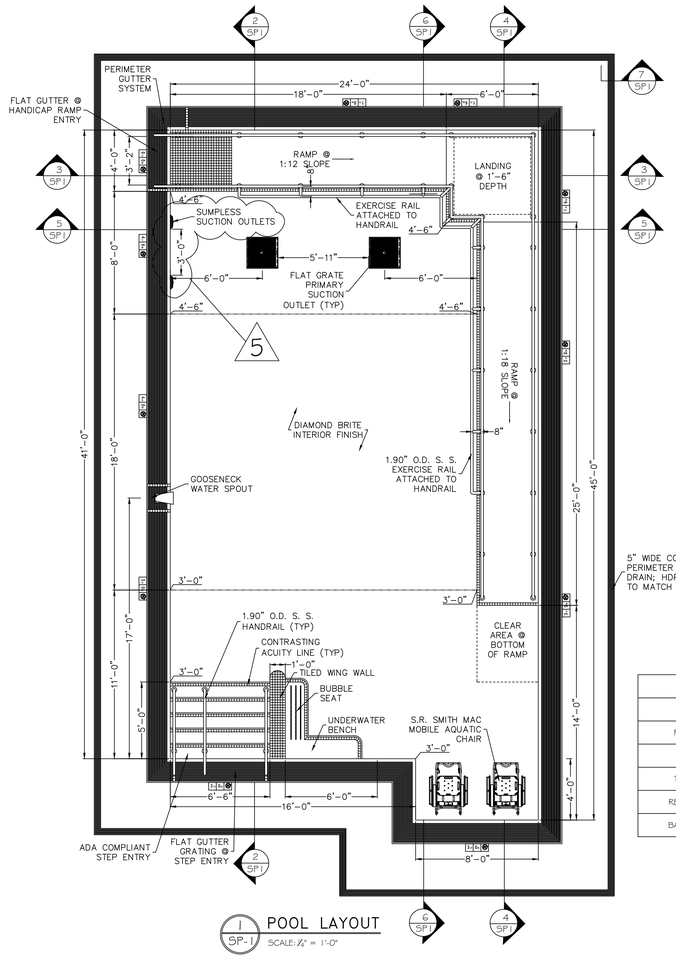
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION
5	7/31/19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-31-2019

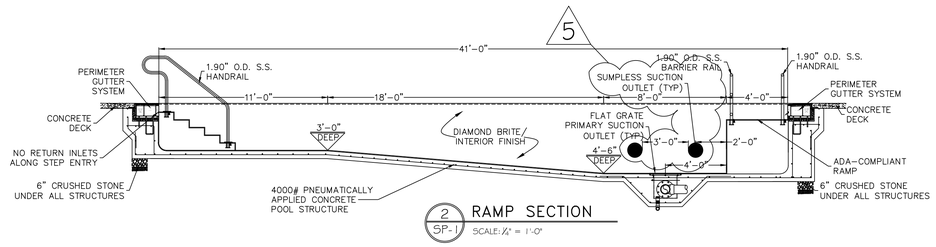
POOL AREA PLAN

SP-0

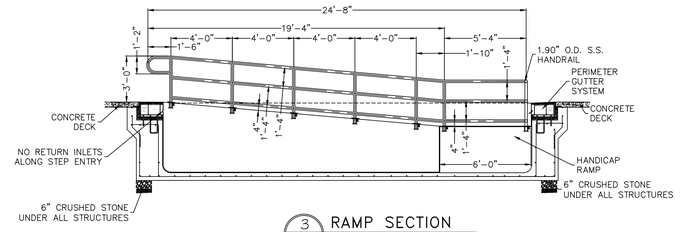


1 SP-1 POOL LAYOUT
SCALE: 1/4" = 1'-0"

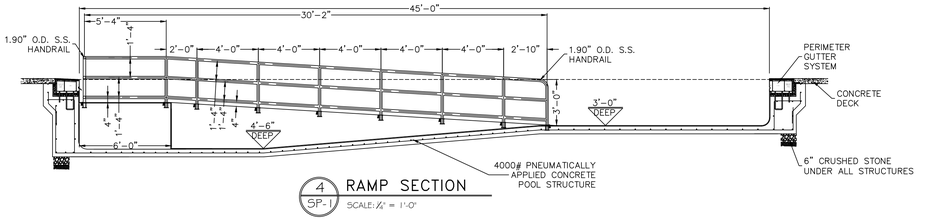
POOL CRITICAL DATA	
AREA	1,014 SQ. FT.
PERIMETER	137 L. F.
VOLUME	23,658 GALLONS
TURNOVER	3 HOURS
RECIRC. RATE	131 GPM
BATHER LOAD	67 BATHERS



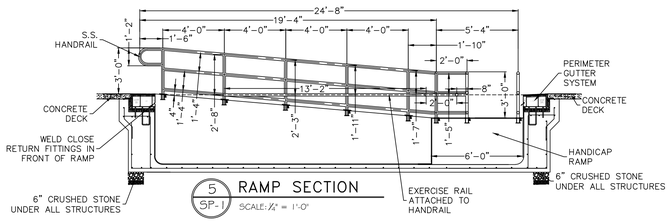
2 SP-1 RAMP SECTION
SCALE: 1/4" = 1'-0"



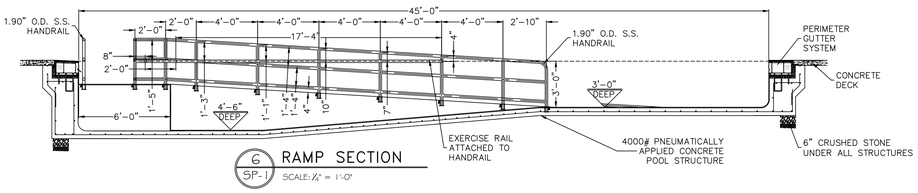
3 SP-1 RAMP SECTION
SCALE: 1/4" = 1'-0"



4 SP-1 RAMP SECTION
SCALE: 1/4" = 1'-0"

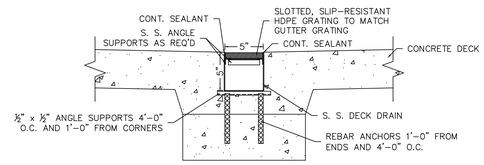


5 SP-1 RAMP SECTION
SCALE: 1/4" = 1'-0"



6 SP-1 RAMP SECTION
SCALE: 1/4" = 1'-0"

POOL CRITICAL DATA	
AREA	1,014 SQ. FT.
PERIMETER	137 L. F.
VOLUME	23,658 GALLONS
TURNOVER	3 HOURS
RECIRC. RATE	131 GPM
BATHER LOAD	67 BATHERS



7 SP-1 DECK DRAIN SECTION DETAIL
SCALE: 1 1/2" = 1'-0"
NOTES:
1. DECK DRAIN TO BE FURNISHED AND INSTALLED BY POOL CONTRACTOR.
2. PLUMBING CONNECTIONS BY MECHANICAL CONTRACTOR.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5834
info@beckermorgan.com

ATLANTIC AQUATIC ENGINEERING
1823 DEEP RUN ROAD
PIPERSVILLE, PENNSYLVANIA 18947
PHONE (215) 766-0409
FAX (215) 766-2578

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.
EXPIRATION DATE:

SEAL
PETER ANDERSEN, P.E.
CERT. NO. 24184

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

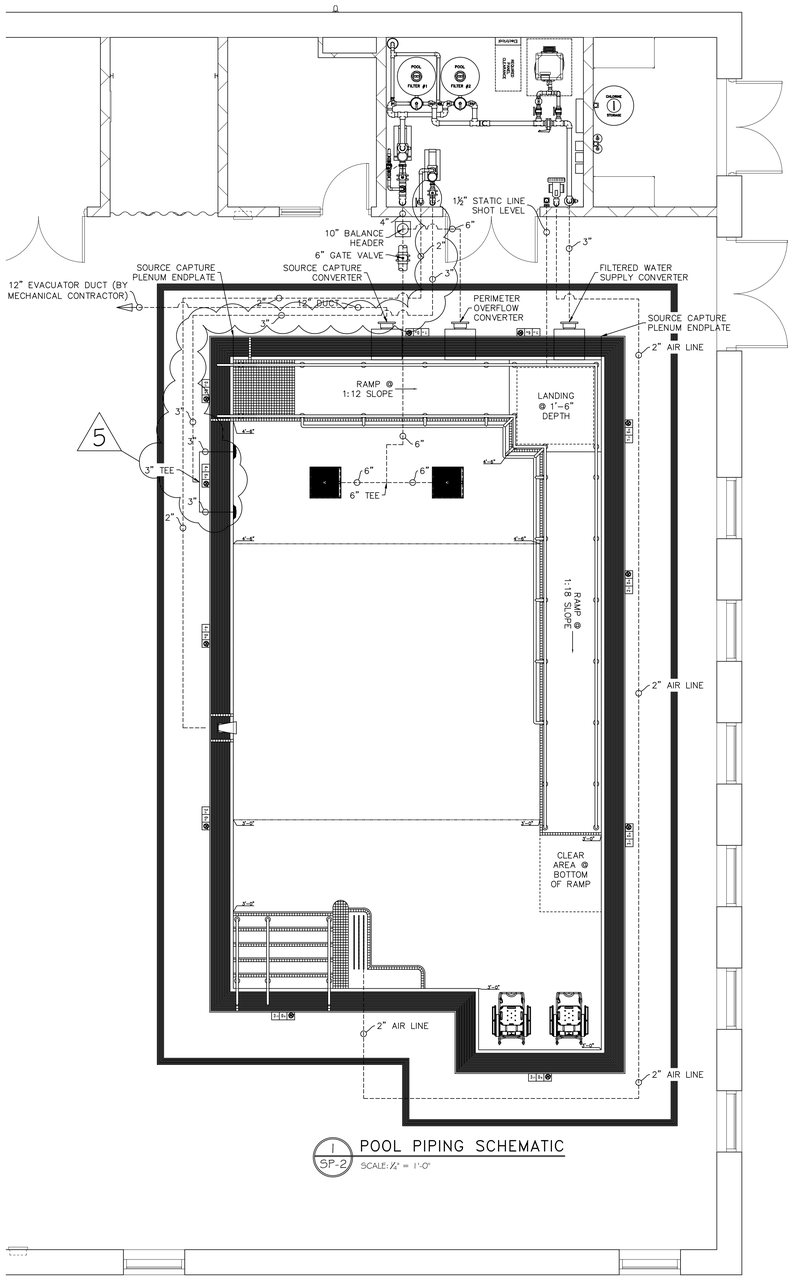
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION
5	7/31/19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-31-2019

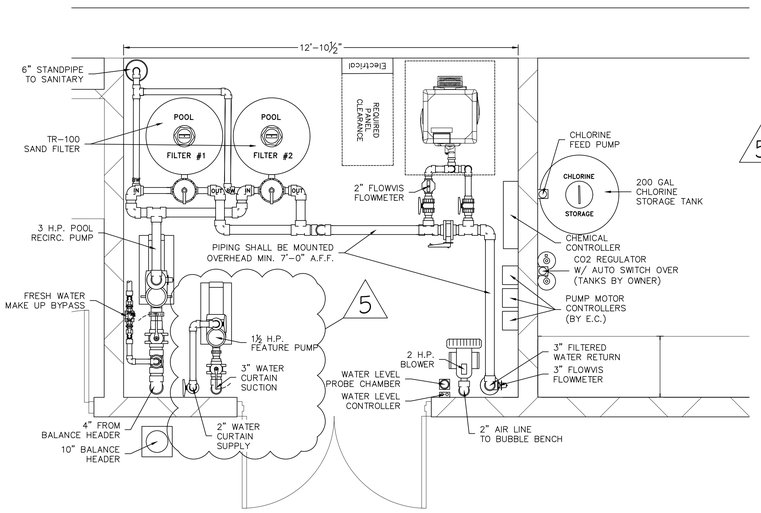
POOL LAYOUT PLAN AND SECTIONS

SP-1



1 SP-2 POOL PIPING SCHEMATIC

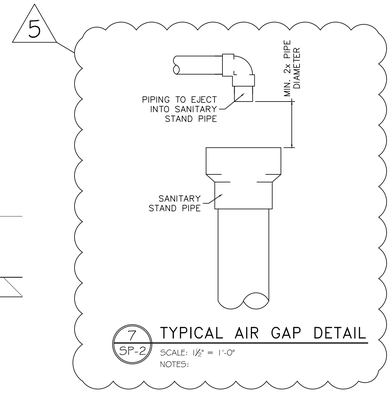
SCALE: ¼" = 1'-0"



2 SP-2 FILTER ROOM AND CHEMICAL STORAGE ROOM PLAN

SCALE: 1/2" = 1'-0"

NOTES:
1. ALL POOL PIPING TO BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.
2. ALL VALVES 3" AND LARGER SHALL BE A COATED BUTTERFLY TYPE.
3. ALL VALVES 2" AND SMALLER SHALL BE A PVC BALL TYPE.
4. TAG ALL VALVES.
5. ALL TUBING, SIGNAL WIRING, AND/OR LOW-VOLTAGE CONTROL WIRING LONGER THAN THREE FEET SHALL BE SUPPORTED BY APPROPRIATELY SIZED CONDUIT.



7 SP-2 TYPICAL AIR GAP DETAIL

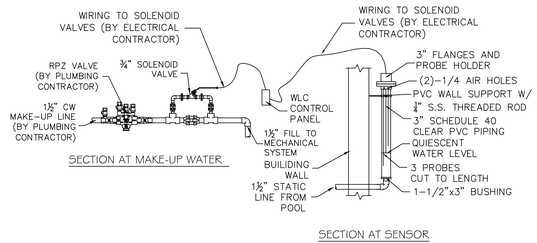
SCALE: ½" = 1'-0"

NOTES:

3 SP-2 POOL HYDRAULIC SCHEMATIC

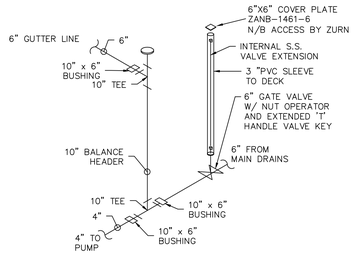
SCALE: NOT TO SCALE

NOTE:
1. ALL FILTER PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.
2. LABEL/TAG ALL VALVES
3. PROVIDE TRU-UNION ISOLATION VALVES AT ALL AUX. EQUIPMENT
4. ALL VALVES 3" AND LARGER SHALL BE A COATED BUTTERFLY TYPE.
ALL VALVES 2" AND AND SMALLER SHALL BE A TRUE UNION PVC BALL TYPE.



6 SP-2 WATER LEVEL CONTROL SYSTEM DETAIL

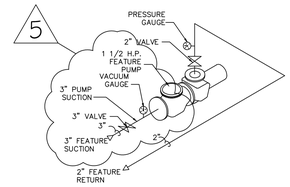
SCALE: NOT TO SCALE



4 SP-2 BALANCE HEADER SCHEMATIC

SCALE: NOT TO SCALE

NOTES:



5 SP-2 WATER FEATURE HYDRAULIC SCHEMATIC

SCALE: NOT TO SCALE

NOTES:
1. ALL POOL PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.
2. ALL VALVES 3" AND LARGER SHALL BE A BUTTERFLY TYPE.
3. ALL VALVES 2" AND SMALLER SHALL BE PVC BALL TYPE.
4. TAG ALL VALVES.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5834
info@beckermorgan.com

ATLANTIC AQUATIC ENGINEERING
1823 DEEP RUN ROAD
PIPERSVILLE, PENNSYLVANIA 18947
PHONE (215) 766-0409
FAX (215) 766-2578

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.
EXPIRATION DATE:

SEAL
PETER ANDERSEN, P.E.
CERT. NO. 24184

BID SET
FCPS BID #19C14

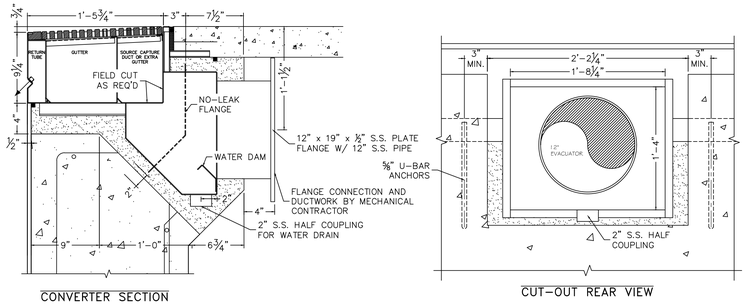
NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION
5	7/31/19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-31-2019

POOL PIPING AND HYDRAULIC SCHEMATICS, FILTER ROOM LAYOUT

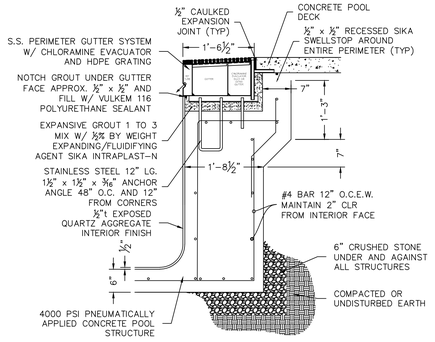
SP-2



1 SP-3 POOL SOURCE CAPTURE CONVERTER DETAIL

SCALE: 1½" = 1'-0"

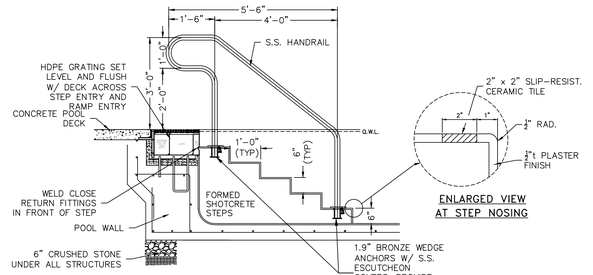
NOTES:
1. FLANGES TO BE ¼" STAINLESS STEEL WELD-ON PLATE TYPE.
2. PIPES TO BE STAINLESS STEEL.
3. CONVERTER BOX MATERIAL SHALL BE 12 GAUGE STAINLESS STEEL.
4. GUTTERS TO BE MODIFIED AND BOXES TO BE INSTALLED IN FIELD.



4 SP-3 POOL WALL TYPICAL DETAIL

SCALE: 3/4" = 1'-0"

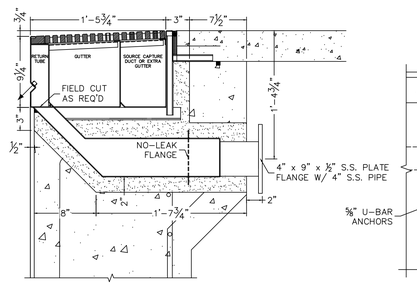
NOTES:
1. SLOPE POOL DECK AWAY FROM POOL ¼" PER FOOT.



5 SP3 POOL ADA STEP HANDRAIL DETAIL

SCALE: 1/2" = 1'-0"

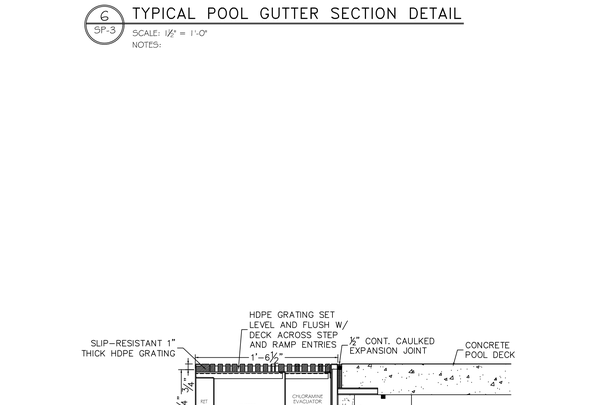
NOTES:
1. PROVIDE ONE (3) HANDRAIL.
2. HANDRAIL TO BE 1.90 O.D. X 0.065" STAINLESS STEEL.
3. CONNECT EACH ANCHOR TO POOL BOND LOOP.
4. NOSING TILE TO BE A CONTRASTING COLOR FROM BACKGROUND.



2 SP-3 POOL PERIMETER OVERFLOW CONVERTER DETAIL

SCALE: 1½" = 1'-0"

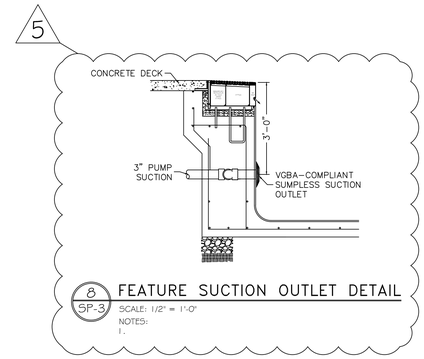
NOTES:
1. FLANGES TO BE ¼" STAINLESS STEEL WELD-ON PLATE TYPE.
2. PIPES TO BE STAINLESS STEEL.
3. CONVERTER BOX MATERIAL SHALL BE 12 GAUGE STAINLESS STEEL.
4. GUTTERS TO BE MODIFIED AND BOXES TO BE INSTALLED IN FIELD.



6 SP-3 TYPICAL POOL GUTTER SECTION DETAIL

SCALE: 1½" = 1'-0"

NOTES:



8 SP-3 FEATURE SUCTION OUTLET DETAIL

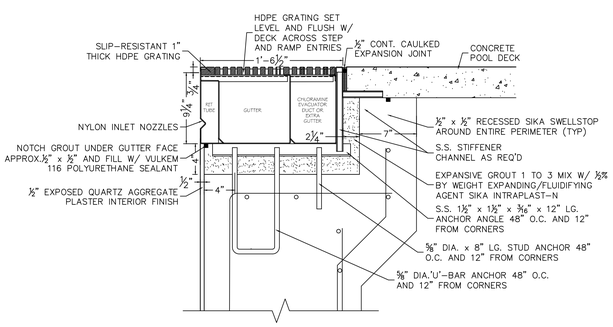
SCALE: 1/2" = 1'-0"

NOTES:
1.

3 SP-3 POOL FILTERED WATER SUPPLY CONVERTER DETAIL

SCALE: 1½" = 1'-0"

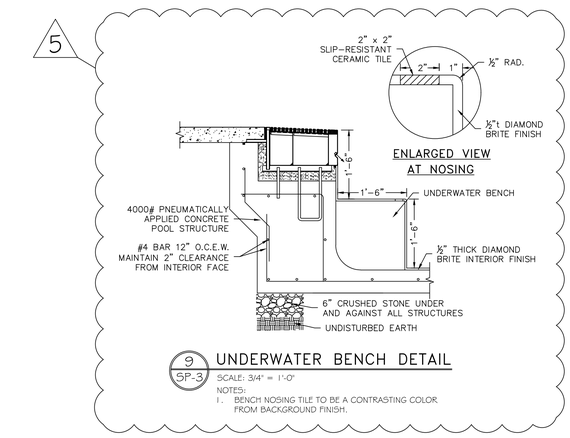
NOTES:
1. FLANGES TO BE ¼" STAINLESS STEEL WELD-ON PLATE TYPE.
2. PIPES TO BE STAINLESS STEEL.
3. CONVERTER BOX MATERIAL SHALL BE 12 GAUGE STAINLESS STEEL.
4. GUTTERS TO BE MODIFIED AND BOXES TO BE INSTALLED IN FIELD.



7 SP-3 GUTTER SECTION DETAIL @ STEP/RAMP ENTRY

SCALE: 1½" = 1'-0"

NOTES:



9 SP-3 UNDERWATER BENCH DETAIL

SCALE: 3/4" = 1'-0"

NOTES:
1. BENCH NOSING TILE TO BE A CONTRASTING COLOR FROM BACKGROUND FINISH.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5834
info@beckermorgan.com

ATLANTIC AQUATIC ENGINEERING
1823 DEEP RUN ROAD
PIPERSVILLE, PENNSYLVANIA 18947
PHONE (215) 766-0409
FAX (215) 766-2578

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.
EXPIRATION DATE:

SEAL
PETER ANDERSEN, P.E.
CERT. NO. 24184

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

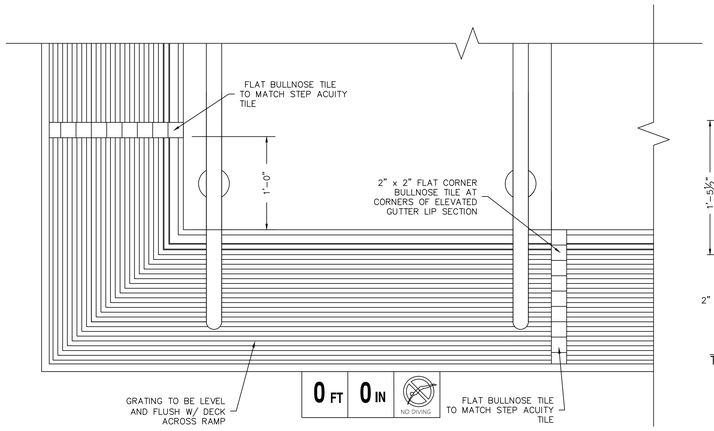
©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION
5	7/31/19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-31-2019

POOL DETAILS

SP-3



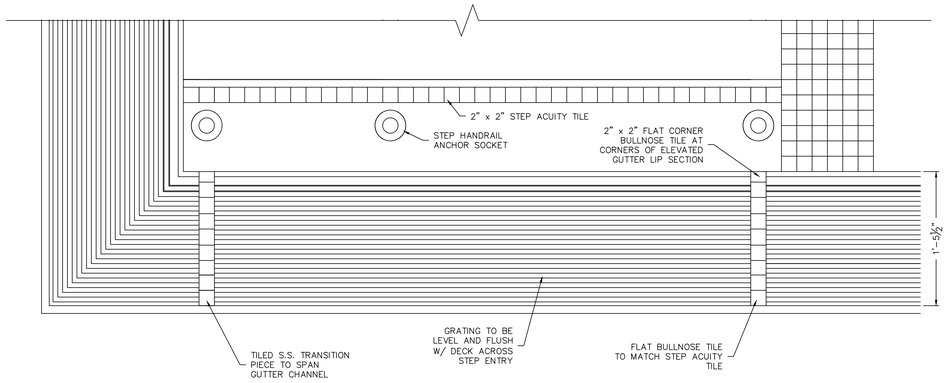
PLAN VIEW @ RAMP AND GUTTER

TRANSITION PIECE DETAIL

1 SP4 GUTTER DETAIL AT STEP

SCALE: ½" = 1'-0"

NOTES:

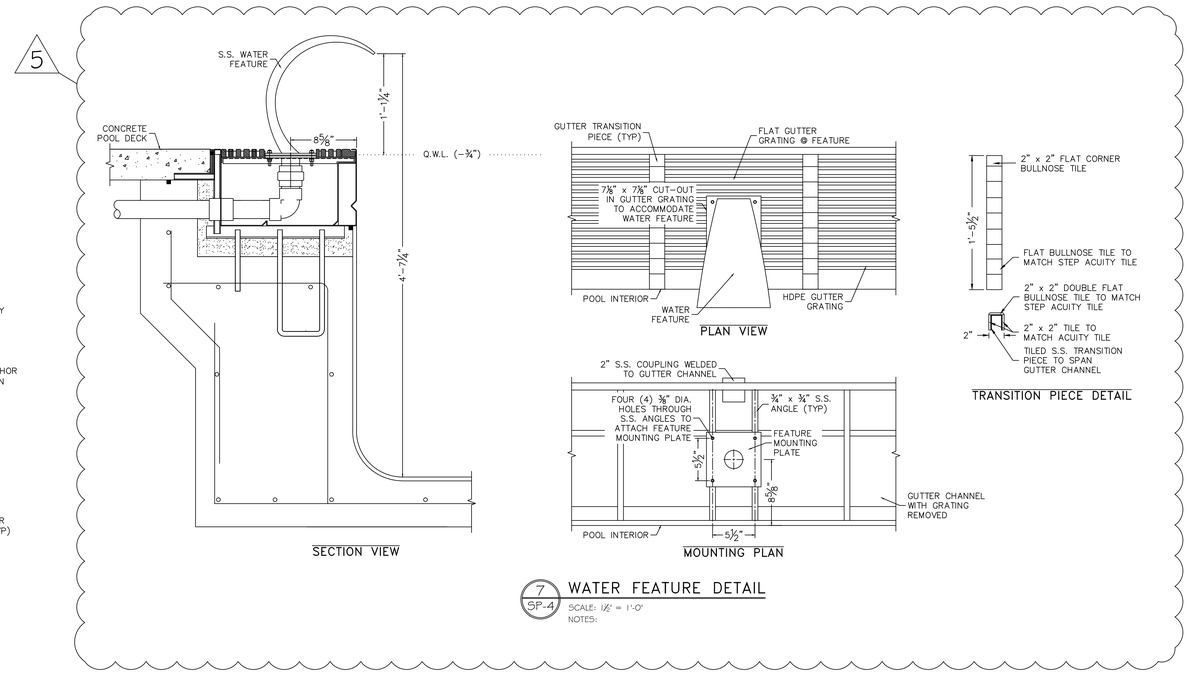


PLAN VIEW @ STEPS AND GUTTER

2 SP4 GUTTER DETAIL AT STEP

SCALE: ½" = 1'-0"

NOTES:

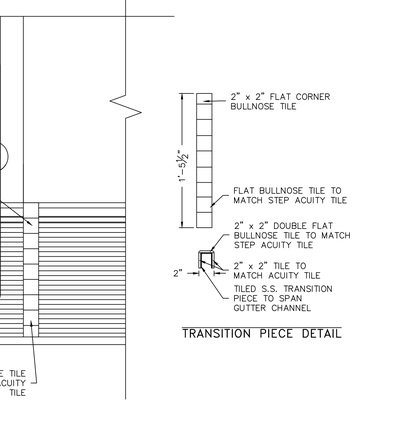


TRANSITION PIECE DETAIL

7 SP-4 WATER FEATURE DETAIL

SCALE: ½" = 1'-0"

NOTES:

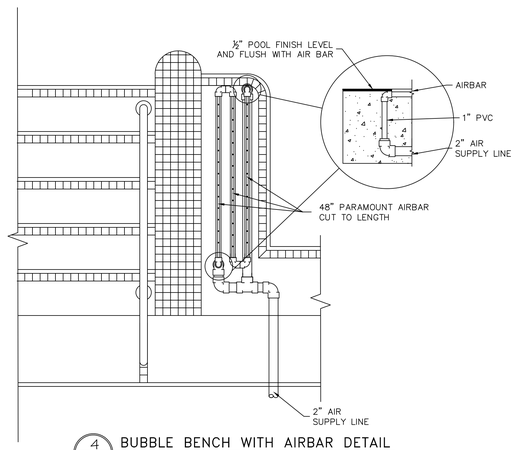


RAMP UPPER LANDING PLAN

3 SP-4 RAMP ENTRY DETAIL

SCALE: 3/8" = 1'-0"

NOTES:

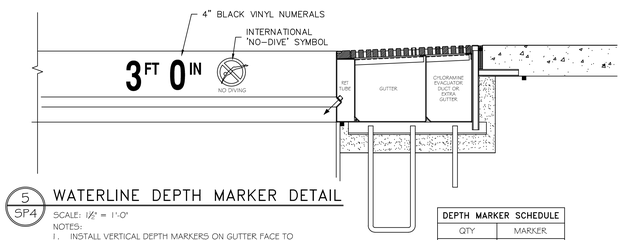


4 SP4 BUBBLE BENCH WITH AIRBAR DETAIL

SCALE: 3/4" = 1'-0"

NOTES:

1.



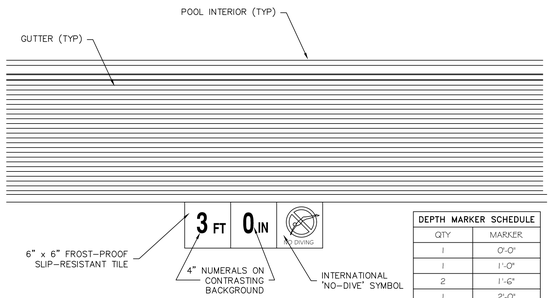
5 SP4 WATERLINE DEPTH MARKER DETAIL

SCALE: ½" = 1'-0"

NOTES:

1. INSTALL VERTICAL DEPTH MARKERS ON GUTTER FACE TO CORRESPOND TO DECK MARKERS.
2. CONTRACTOR TO CONFIRM POOL DEPTHS PRIOR TO INSTALLATION OF DEPTH MARKERS.

DEPTH MARKER SCHEDULE	
QTY	MARKER
1	0'-0"
1	1'-0"
2	1'-6"
1	2'-0"
4	3'-0"
1	4'-0"
1	4'-6"
11	NO DIVING



6 SP4 DECK DEPTH MARKER DETAIL

SCALE: ½" = 1'-0"

NOTES:

1. INSTALL VERTICAL DEPTH MARKERS IN WATERLINE TILE BAND TO CORRESPOND TO DECK MARKERS.
2. ALL MARKERS SHALL BE SLIP-RESISTANT WHERE SET IN DECK AND GLAZED IN VERTICAL INSTALLATIONS.

DEPTH MARKER SCHEDULE	
QTY	MARKER
1	0'-0"
1	1'-0"
2	1'-6"
1	2'-0"
4	3'-0"
1	4'-0"
1	4'-6"
11	NO DIVING

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-9834
info@beckermorgan.com

ATLANTIC AQUATIC ENGINEERING
1823 DEEP RUN ROAD
PIPERSVILLE, PENNSYLVANIA 18947
PHONE (215) 766-0409
FAX (215) 766-2578

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.
EXPIRATION DATE:

SEAL
PETER ANDERSEN, P.E.
CERT. NO. 24184

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

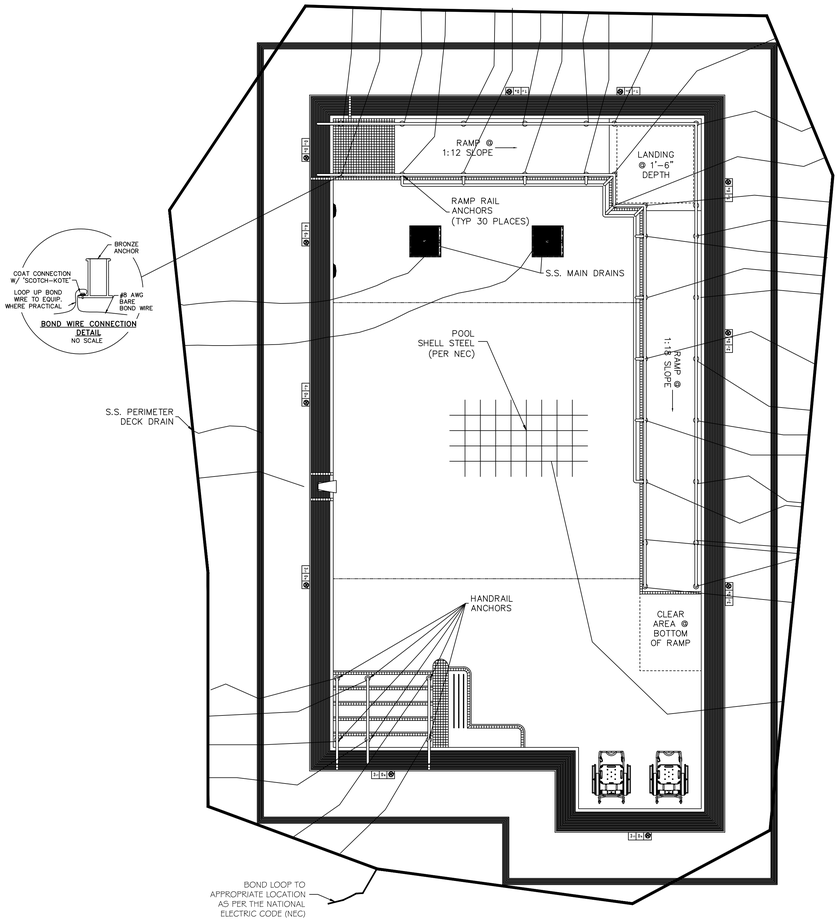
© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE		
REV	DATE	DESCRIPTION
5	7/31/19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-31-2019

POOL DETAILS

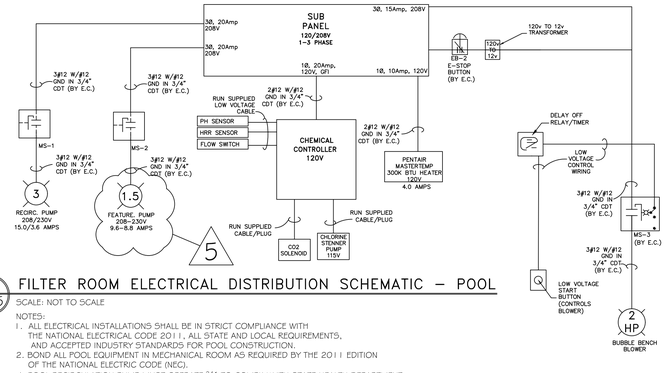
SP-4



1 SP5 POOL BONDING – SCHEMATIC LAYOUT

SCALE: NOT TO SCALE

NOTES:
1. SKOTCH COAT ALL CONNECTIONS.
2. ALL FERROUS AND CONDUCTIVE MATERIAL AROUND THE PERIMETER OF THE POOL SHALL BE PROPERLY BONDED IN ACCORDNCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
3. USE #8 BARE TAILS OFF BOND LOOP TO EQUIPMENT AND STEEL NOT IMMEDIATELY ADJACENT TO THE BOND LOOP. BOND IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
4. PER 680.26(C) OF THE NEC 2014, THE TOTAL SURFACE AREA OF THE BONDED METAL PARTS FROM 680.26(B) INSTALLED IN CONTACT WITH THE WATER EXCEEDS 9 SQ IN.
5. ELECTRICAL INFORMATION SHOWN FOR COORDINATION PURPOSES. SEE ELECTRICAL DRAWINGS FOR ACTUAL REQUIREMENTS.
6. ALL POOL BONDING BY E.C.



2 SP5 FILTER ROOM ELECTRICAL DISTRIBUTION SCHEMATIC – POOL

SCALE: NOT TO SCALE

NOTES:
1. ALL ELECTRICAL INSTALLATIONS SHALL BE IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE 2011, ALL STATE AND LOCAL REQUIREMENTS, AND ACCEPTED INDUSTRY STANDARDS FOR POOL CONSTRUCTION.
2. BOND ALL POOL EQUIPMENT IN MECHANICAL ROOM AS REQUIRED BY THE 2011 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
4. POOL RECIRCULATION PUMP MUST OPERATE 23½ TO COMPLY WITH STATE HEALTH DEPARTMENT OPERATIONAL CODE. NO TIME SWITCH/CLOCK WILL CONTROL THESE PUMPS.
5. PANEL AND BREAKER SIZES SHOWN ON THIS DRAWING ARE SHOWN AS A RECOMMENDATION ONLY. REFER TO ELECTRICAL DRAWINGS FOR THE ACTUAL PANEL AND BREAKER SIZES TO BE PROVIDED.
6. ELECTRICAL INFORMATION SHOWN FOR COORDINATION PURPOSES. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5834
info@beckermorgan.com

ATLANTIC AQUATIC ENGINEERING
1823 DEEP RUN ROAD
PIPERSVILLE, PENNSYLVANIA 18947
PHONE (215) 766-0409
FAX (215) 766-2578

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.
EXPIRATION DATE:

SEAL
PETER ANDERSEN, P.E.
CERT. NO. 24184

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
5	7/31/19	ADDENDUM 05

PROJECT NO.: 2017171.00
DATE: 07-31-2019

POOL BONDING AND ELECTRICAL SCHEMATICS

SP-5

COMPUTER DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N. SUBSCRIPT 'C' INDICATES DEVICE TO BE MOUNTED AT 42" A.F.F. OR 6" ABOVE COUNTER U.O.N.

DATA DROP WITH UPSIZED CONDUIT. REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

VIDEO DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 84" A.F.F. U.O.N.

PROJECTOR DROP HIGH; SEE DETAILS FOR CONFIGURATION, MOUNT AS INDICATED ON DWG.

PROJECTOR DROP LOW; SEE DETAILS FOR CONFIGURATION, MOUNT AT 18"A.F.F. U.O.N.

SMARTBOARD DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 65" A.F.F. UON.

TEACHER DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

ADMIN DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

STUDENT DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

FLOOR BOX WITH DEVICES AS INDICATED. SEE DETAILS FOR CONFIGURATION.

ELECTRICAL LEGEND:

(MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE U.O.N.)

FIRE ALARM

FIRE ALARM PULL STATION. MOUNT AT 48" A.F.F.

SMOKE DETECTOR.

FIRE ALARM SMOKE DETECTOR - CEILING OR WALL MOUNTED. SUBSCRIPT 'E' INDICATES ELEVATOR RECALL FUNCTION.

DUCT TYPE SMOKE DETECTOR. PROVIDE EACH DUCT DETECTOR WITH REMOTE TEST SWITCH. REFER TO DETAIL FOR ADDITIONAL INFORMATION.

SPRINKLER SYSTEM VALVE TAMPER SWITCH.

SPRINKLER SYSTEM FLOW SWITCH.

HEAT DETECTOR.

FIRE ALARM HEAT DETECTORS. CEILING OR WALL MOUNTED. SUBSCRIPT 'E' INDICATES ELEVATOR RECALL FUNCTION.

CONTROL MODULE.

REMOTE TEST SWITCH.

FACP FIRE ALARM CONTROL PANEL. MOUNT PER AHJ's RECOMMENDATIONS.

FAAP FIRE ALARM ANNUNCIATOR PANEL. MOUNT PER AHJ's RECOMMENDATIONS.

COMBINATION FIRE ALARM SPEAKER/STROBE LIGHTING. CANDELA RATING AS INDICATED. WALL MOUNT AT 6'-8" A.F.F. TO BOTTOM OR 6" BELOW CEILING, WHICHEVER IS LOWER U.O.N.

CEILING MOUNTED FIRE ALARM SPEAKER/STROBE LIGHT. CANDELA RATING AS INDICATED.

CEILING MOUNTED FIRE ALARM SPEAKER.

FIRE ALARM STROBE LIGHT. CANDELA RATING AS INDICATED. WALL MOUNT AT 6'-8" A.F.F. TO BOTTOM OR 6" BELOW CEILING, WHICHEVER IS LOWER U.O.N.

FIRE ALARM STROBE LIGHT. CEILING MOUNTED. CANDELA RATING AS INDICATED.

FIRE ALARM HORN/STROBE LIGHT. CEILING MOUNTED. CANDELA RATING AS INDICATED.

FIRE ALARM MAGNETIC DOOR HOLDER.

MONITOR MODULE.

CARBON MONOXIDE DETECTOR.

SMD COMBINATION SMOKE/FIRE DAMPER. PROVIDE MONITOR MODULE FOR SMOKE DETECTOR FURNISHED WITH UNIT AND 120/24V TRANSFORMER WITH PRIMARY AND SECONDARY FUSING FOR POWER CONNECTION TO DAMPER AS REQUIRED.

CONDUIT

HOMERUN TO PANELBOARD; REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES.

BRANCH CIRCUIT CONDUIT AND WIRING CONCEALED IN CEILING OR WALL SPACE, OR SURFACE MOUNTED WHERE NO CEILING OR WALL SPACE EXISTS. REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES.

BRANCH CIRCUIT CONDUIT AND WIRING IN SLAB, UNDER FLOOR OR UNDERGROUND. REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES.

LIGHTING

A LIGHT FIXTURE. TYPE AS SPECIFIED. REFER TO LIGHT FIXTURE SCHEDULE.

A WALL MOUNTED LIGHT FIXTURE - TYPE AS SPECIFIED. REFER TO LIGHT FIXTURE SCHEDULE.

INDICATES LIGHT FIXTURE ON EMERGENCY CIRCUIT.

EXIT SIGNAGE - CEILING MOUNTED, WALL MOUNTED 6" ABOVE DOOR. SHADING INDICATES ILLUMINATED FACE. DIRECTIONAL ARROWS AS INDICATED.

SWITCHES

(MOUNTING HEIGHTS TO TOP OF DEVICE)

S LINE VOLTAGE TOGGLE SWITCH. MOUNT AT 48" A.F.F. U.O.N.

S^3 THREE WAY LINE VOLTAGE TOGGLE SWITCH. MOUNT AT 48" A.F.F. U.O.N.

S^P LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT. MOUNT AT 48" A.F.F. U.O.N.

S^{MC} MOMENTARY CONTACT SWITCH. MOUNT AT 48" A.F.F. U.O.N. EATON GMTL-N SERIES OR APPROVED EQUALS.

$S^{#,V}$ LOW VOLTAGE SWITCH. "#" INDICATES NUMBER OF BUTTONS. MOUNT AT 48" A.F.F. U.O.N. PROVIDE BACK BOX WITH 3/4" EMPTY CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING TERMINATED IN BUSHED END.

S^K KEY OPERATED SWITCH. MOUNT AT 48" A.F.F. U.O.N. EATON GMTL-N SERIES OR APPROVED EQUALS.

S^D COMBINATION ON/OFF AND SLIDE DIMMING SWITCH WITH 0-10V DIMMING OUTPUT, RATED FOR 1200 WATTS OF LED 0-10V LOAD, DEDICATED TOGGLE FOR ON/OFF FUNCTION, SINGLE POLE OR 3 POLE FUNCTIONS. EATON WBSD-010M SERIES OR APPROVED EQUALS. SWITCH FINISH PER ARCHITECT.

S^{LOS} LIGHTING OVERRIDE SWITCH. MOUNT AT 48" A.F.F. U.O.N. PROVIDE BACK BOX WITH 3/4" EMPTY CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING TERMINATED IN BUSHED END. REFER TO DETAILS.

S^{TW} TUNABLE WHITE LIGHTING CONTROLS. REFER TO DETAILS FOR ADDITIONAL INFORMATION. MOUNT AT 48" A.F.F. U.O.N. PROVIDE BACK BOX WITH 3/4" EMPTY CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING TERMINATED IN BUSHED END.

OS OCCUPANCY SENSOR, LOW VOLTAGE WITH POWER PACK, DUAL TECHNOLOGY, CEILING MOUNTED. EATON OAC-DT SERIES OR APPROVED EQUALS.

OS$_H$ OCCUPANCY SENSOR, LOW VOLTAGE WITH POWER PACK, ULTRASONIC LONG VIEW SENSOR, CEILING MOUNTED. EATON OAC-DT-2000R SERIES OR APPROVED EQUALS.

OS$_W$ DUAL TECHNOLOGY, SINGLE LEVEL WALL (AIR-GAP) SWITCH SENSOR WITH MANUAL ON, AUTO OFF SETTING. ILLUMINATED ICON PUSHBUTTON. MOUNT AT 48" A.F.F. U.O.N. EATON ONW-D SERIES. NEUTRAL REQUIRED. TIME DELAY PER OWNERSHIP.

LS LIGHT SENSOR, OPEN LOOP STYLE. CEILING MOUNTED.

VS VACANCY SENSOR, LOW VOLTAGE WITH POWER PACK, DUAL TECHNOLOGY, CEILING MOUNTED. EATON VAC-DT SERIES OR APPROVED EQUALS.

OS$_X$ OCCUPANCY SENSOR, LOW VOLTAGE WITH POWER PACK, PIR ONLY, CEILING MOUNTED. EXTREME TEMP. APPLICATIONS FROM -40oF TO 125oF. UL LISTED FOR DAMP LOCATIONS. EATON OXC-P SERIES OR APPROVED EQUALS.

OS$_A$ OCCUPANCY SENSOR, LOW VOLTAGE WITH POWER PACK, DUAL TECHNOLOGY, WALL MOUNTED AT 10'-0" A.F.F. U.O.N.. EATON OAWC-DT SERIES OR APPROVED EQUALS.

VS$_A$ VACANCY SENSOR, LOW VOLTAGE WITH POWER PACK, DUAL TECHNOLOGY, WALL MOUNTED AT 10'-0" A.F.F. U.O.N.. EATON OAWC-DT SERIES OR APPROVED EQUALS.

GTD20A 20 AMP RATED, UL924 LISTED, GENERATOR TRANSFER DEVICE. MOUNT ABOVE ACCESSIBLE DROP CEILING OR WALL MOUNT. BODINE GTD20A OR APPROVED EQUALS. SYMBOLOGY INDICATED ON FLOOR PLANS IS FOR QUANTITY REFERENCE ONLY. WHERE MOUNTED ABOVE CEILING, PROVIDE NAME PLATE ON CEILING GRID, REFER TO LIGHTING CONTROL PANEL SPECIFICATIONS FOR NAME PLATE REQUIREMENTS. WHERE WALL MOUNTED, LABEL DEVICE INDICATING SPACE BEING SERVED. LABELING WILL NOT COVER ANY OTHER MANUFACTURER's LABEL.

A CC4A COOPER GREENGATE (OR APPROVED MANUFACTURER) ROOM CONTROLLER FOR CONTROLLED RECEPTACLES. PROVIDED WITH DATA CONNECTION TO INTERCONNECT ROOM CONTROLLERS FOR PROGRAMMING. PROVIDE WITH BAS INTERFACE COORDINATE WITH ATC CONTRACTOR.

OUTLETS

Y1-1 DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; MOUNT AT 18"A.F.F. U.O.N. SUBSCRIPT DENOTES INDICATES BRANCH CIRCUIT CONNECTION. REFER TO SPECIFICATIONS AND THIS DRAWING FOR WIRE AND CONDUIT REQUIREMENTS.

DOUBLE DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; MOUNT AT 18" A.F.F. U.O.N. SUBSCRIPTS: USB - PROVIDE USB IN FACEPLATE

DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; MOUNT IN LINE WITH THE TOP OF MASONRY UNIT 16" A.F.F. U.O.N.

DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; GROUND FAULT INTERRUPTER MOUNT AT 18" A.F.F. U.O.N.

SPECIAL RECEPTACLE; TYPE AS NOTED; MOUNT AT 18" A.F.F. U.O.N.

SLASH INDICATES DEVICE TO BE MOUNTED AT 42" A.F.F. OR 6" ABOVE COUNTER U.O.N.

DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; WEATHERPROOF AND WEATHER RESISTANT, GROUND FAULT INTERRUPTER; MOUNT AT 18" A.F.F. U.O.N.

DOUBLE DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; RECESSED IN FLOOR.

C C$_C$ COMPUTER DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N. SUBSCRIPT 'C' INDICATES DEVICE TO BE MOUNTED AT 42" A.F.F. OR 6" ABOVE COUNTER U.O.N.

D DATA DROP WITH UPSIZED CONDUIT. REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

V VIDEO DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 84" A.F.F. U.O.N.

SB SMARTBOARD DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 65" A.F.F. UON.

T TEACHER DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

A ADMIN DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

S STUDENT DROP; REFER TO DETAILS FOR CONFIGURATION. MOUNT AT 18" A.F.F. U.O.N.

FLOOR BOX WITH DEVICES AS INDICATED. SEE DETAILS FOR CONFIGURATION.

POWER

PANELBOARD; RECESSED, SURFACE MOUNTED. MOUNT AT 5'-6" A.F.F. TO TOP OF PANEL.

S^W SINGLE POLE MANUAL MOTOR STARTING SWITCH WITH HOA SWITCH; MOUNT AT 48" A.F.F. IN NEMA 1 ENCLOSURE U.O.N.

MOTOR; TYPE AS NOTED.

SAFETY DISCONNECT SWITCH - FUSED, NON-FUSED. MOUNT AT 48" A.F.F. U.O.N. FUSED AS NOTED. REFER TO SPECIFICATION FOR NEMA RATING.

ENCLOSED CIRCUIT BREAKER. MOUNT AT 5'-6" A.F.F. TO TOP U.O.N. FUSE SIZE AS NOTED. REFER TO SPECIFICATIONS FOR NEMA RATING.

J JUNCTION BOX - CEILING MOUNTED, WALL MOUNTED. TYPE AS NOTED.

J$_{CR}$ CORD REEL.

EPO PUSHBUTTON. MOUNT AT 48" A.F.F. U.O.N. (TO TOP OF DEVICE).

T TRANSFORMER.

SPD SURGE PROTECTION DEVICE.

GDS GENERATOR DOCKING STATION.

COMBINATION TYPE MOTOR STARTER - FVNR WITH CONTROL TRANSFORMER, RED AND GREEN INDICATING LIGHTS, H.O.A. SELECTOR SWITCH AND CIRCUIT BREAKER DISCONNECT SWITCH. MOUNT AT 5'-6" A.F.F. TO TOP U.O.N. FUSED AS NOTED, REFER TO SPECIFICATION FOR NEMA RATING.

ELECTRICAL METER.

UNIT HEATER.

WIREMOLD. TYPE AS NOTED.

MISCELLANEOUS

1 REFERENCE TO DRAWING NOTE.

#/E## DETAIL REFERENCE: DETAIL NUMBER/DRAWING NUMBER

A#,## ELEVATION VIEW REFERENCE.

ABBREVIATIONS:

A	AMPERE, AMPERES
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
B.O.D.	BASIS OF DESIGN
BLC	BUILDING LIGHTING CONTROL PANEL
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
C	CONDUIT
CB	CIRCUIT BREAKER
DWG	DRAWING
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EPO	EMERGENCY POWER OFF
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPERES
FSS	FUSED SAFETY SWITCH
G	GROUND
GFEP	GROUND FAULT EQUIPMENT PROTECTION
GFI	GROUND FAULT INTERRUPTING
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HWG	HOT WATER HEATER GENERATOR
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LFS	LIGHT FIXTURE SCHEDULE
LOS	LIGHTING OVERRIDE SWITCH
LRA	LOCKED ROTOR AMPERES
LMS	LUMENS
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MLO	MAIN LUGS ONLY
MPOP	MAIN POINT OF PRESENCE
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MH	MOUNTING HEIGHT/MANHOLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER's ASSOCIATION
N.L.P.	NETWORKED LIGHTING CONTROL PANEL
NFSS	NON-FUSED SAFETY SWITCH
NO	NUMBER
OS	OCCUPANCY SENSOR
OC	ON CENTERS
P	POLE, POLES
Ø	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RAF	RETURN AIR FAN
RGS	RIGID GALVANIZED STEEL
RX	REMOVE EXISTING
SSBJ	SUPPLY SIDE BONDING JUMPER
TYP	TYPICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UH	UNIT HEATER
VS	VACANCY SENSOR
V	VOLT, VOLTS
VR	VANDAL RESISTANT
WP	WEATHERPROOF
W	WATTS, WIRE, WIRES
XFMR	TRANSFORMER
TTB	TELEPHONE TERMINAL BOARD
UTP	UNSHIELDED TWISTED PAIR
U.O.N.	UNLESS OTHERWISE NOTED

GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE DRAWINGS OF ALL OTHER TRADES ON THE PROJECT. ELECTRICAL OR SYSTEMS CONNECTIONS INDICATED ON ARCHITECTURAL, MECHANICAL, CIVIL, STRUCTURAL, KITCHEN AND ALL OTHER DRAWINGS WHICH ARE PART OF THIS PROJECT, SHALL BE CONSIDERED A PART OF THIS CONTRACT AND SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AT NO EXTRA COST TO THE OWNER.
2. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND AS SUCH SHALL NOT BE SCALED. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEVICES AND EQUIPMENT AND DIMENSIONAL INFORMATION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN OF SERVICE EQUIPMENT AND WIRING.
3. COORDINATE MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS AND CASEWORK DRAWINGS.
4. COORDINATE WALLS THAT ARE TO REMAIN AND NEW WALLS WITH ARCHITECTURAL PLANS.
5. WIRING AND CONDUIT SIZES INDICATED IN PANEL SCHEDULES ARE MINIMUM ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT WIRING AND CONDUIT SIZES. CONTRACTOR SHALL PROVIDE SPLICE BLOCKS AND REDUCING PINS AS REQUIRED TO TERMINATE WIRING AND MAKE FINAL CONNECTIONS.
6. ELECTRICAL BOXES IN FIRE RATED PARTITIONS SHALL NOT EXCEED 16 SQUARE INCHES IN AREA (IF 4"x4"), SHALL BE MADE OF STEEL, AND SHALL BE SUCH THAT THE CUMULATIVE AREA OF BOX "CUTOUTS" IN THE FIREWALL DOES NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL AREA. ELECTRICAL BOXES ON OPPOSITE SIDES OF THE SAME FIREWALL SHALL BE SEPARATED BY A HORIZONTAL AND VERTICAL DISTANCE OF NOT LESS THAN 24 INCHES. THE ELECTRICAL CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS, AS NECESSARY, TO ELECTRICAL BOX LOCATIONS TO ENSURE COMPLIANCE WITH THIS REQUIREMENT SINCE BOX LOCATIONS ARE TYPICALLY NOT DIMENSIONED ON THE DRAWINGS. CONSULT ARCHITECT IF CLARIFICATION IS REQUIRED.
7. ALL CONDUIT SHALL BE CONCEALED IN WALLS, FLOORS, ABOVE CEILING OR THROUGH MILLWORK. AT TIMES CONDUIT ROUTING IS SHOWN FOR CLARITY AND IN NO WAY PROVIDES THE CONTRACTOR ABILITY TO NOT PROVIDE CONCEALED CONDUIT AT ANY POINT OTHER POINT NOT SHOWN IN THE BUILDING. REFER TO SPECIFICATIONS FOR CONDUIT AND WIRING REQUIREMENTS BASED ON APPLICATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTING OF WIRING AND CONDUITS AND SHALL BE RESPONSIBLE FOR SIZING ALL BRANCH CIRCUIT WIRING TO LIMIT VOLTAGE DROP TO 3%. CONTRACTOR SHALL SIZE CONDUIT TO ACCOMMODATE WIRING PER NEC. 20 AMPERE CIRCUITS SHALL BE SIZED AS FOLLOWS:

20 AMPERE CIRCUITS				
120 VOLT		277 VOLT		MINIMUM CONDUIT SIZE
WIRING LENGTH	WIRING SIZE	WIRING LENGTH	WIRING SIZE	
0' - 60'	#12	0 '- 130'	#12	3/4"
60' - 100'	#10	130' - 210'	#10	3/4"
100' - 150'	#8	210' - 340'	#8	3/4"
150' - 240'	#6	340' - 540'	#6	3/4"
OVER 240'	#4	OVER 540'	#4	1"

NOTE:
BRANCH CIRCUITS IN PANELBOARDS WITH 200% RATED NEUTRAL BUS AND ALL DIMMED LIGHTING CIRCUITS & ECM MOTORS SHALL HAVE DEDICATED NEUTRAL CONDUCTORS.

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 08/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

© COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

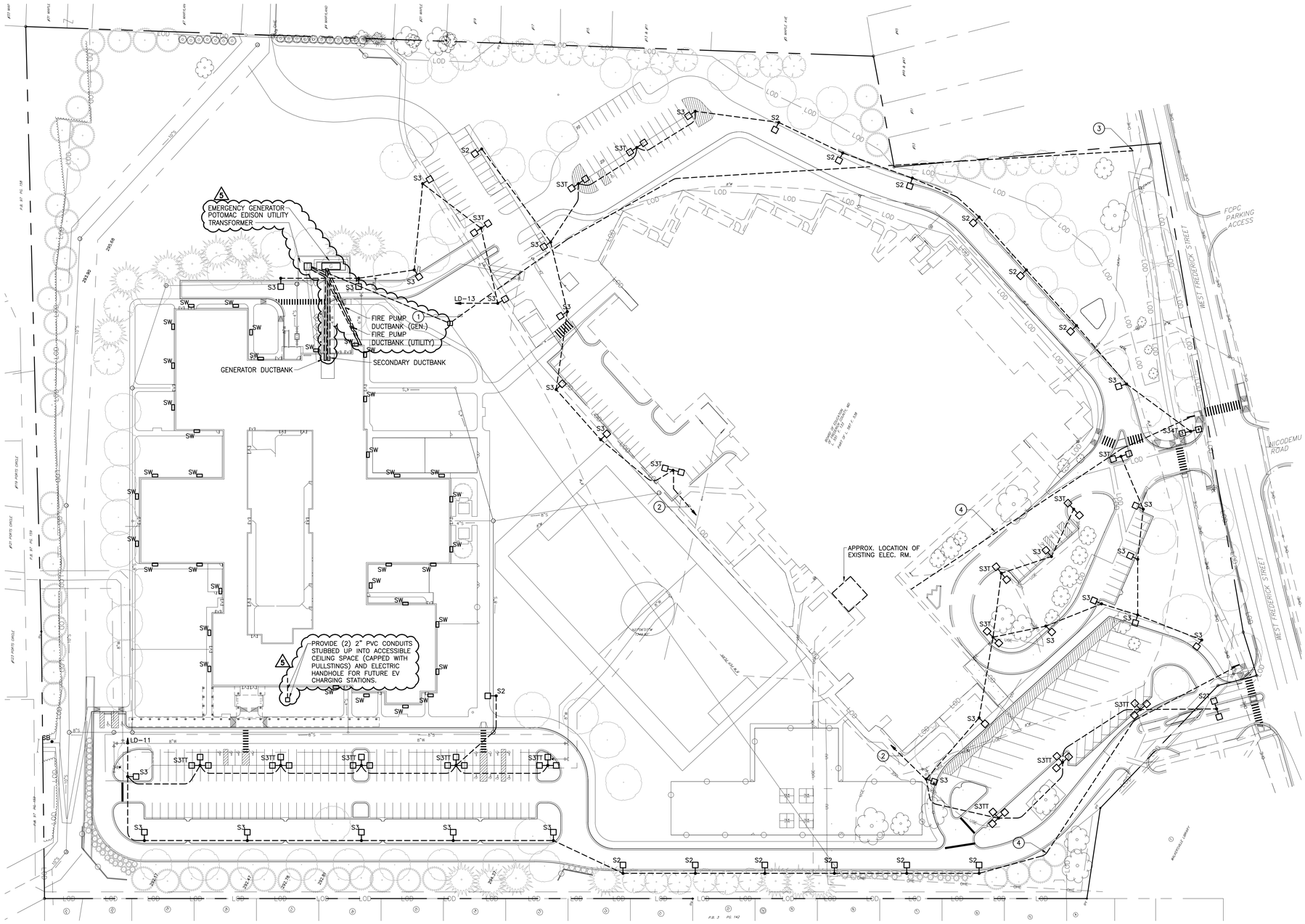
ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

ELECT. LEGEND, ABBREVIATIONS & CONVENTIONS

E001



DRAWING NOTES:

1. PROVIDE (2) 4" SCHEDULE 80 PVC CONDUIT WITH PULLSTRINGS. PROVIDE WITH TRACER MARKINGS.
2. CONNECT TO EXISTING SITE LIGHTING CIRCUIT AND ASSOCIATED CONTROLS SERVING WALKERSVILLE M.S. FIELD VERIFY EXACT LOCATION OF CONDUIT(S) PENETRATIONS INTO BUILDING AND PROVIDE QUASITE STYLE BOX. NEW SITE LIGHTING CONDUIT SHALL BE 1-1/2" MINIMUM.
3. EXISTING POTOMAC EDISON POWER POLE.
4. PROVIDE SEPARATE 1-1/4" PVC CONDUIT FOR POWER TO SITE SIGN. PROVIDE DEDICATED 277V CIRCUIT AND TOGGLE DISCONNECT SWITCH AT SIGN IN NEMA 3R ENCLOSURE.

GENERAL NOTES:

1. ALL EXTERIOR LIGHTING CONDUITS/RACEWAYS SHALL HAVE DETECTABLE MARKING TAPE.
2. PROVIDE 2" CONDUIT MINIMUM FOR SITE LIGHTING 0-10V WIRING AS WELL AS FUTURE SECURITY CABLING. PROVIDE TWO PULL STRINGS IN ALL CONDUITS FOR FUTURE CABLING. PROVIDE QUAZITE STYLE HANDHOLE BOXES AS REQUIRED FOR PROPER SYSTEM INSTALLATION. CONTRACTOR SHALL SUBMIT PROPOSED QUANTITY, SIZE, TYPE, LOCATION OF BOXES AND ALL PROPOSED CONDUIT ROUTING AT SHOP DRAWING LEVEL COORDINATED WITH ALL OTHER TRADES. VERIFY 0-10V WIRE GAUGE SIZE WITH SITE LIGHTING MANUFACTURER AND 'BLC' MANUFACTURER FOR VOLTAGE DROP CALCS BASED ON PLANNED CONDUIT ROUTING AT SHOP DRAWING LEVEL AND INDICATE IN SITE LIGHTING SUBMITTAL PACKAGE.
3. ALL WALL MOUNTED TYPE 'SW' LUMINAIRES ARE SHOWN FOR REFERENCE ONLY (BASE BID PACKAGE). REFER TO FLOOR PLANS FOR BRANCH CIRCUIT WIRING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NO.	VOLTS	WATTS	LAMP	MOUNTING	REMARKS
SB	NOMINAL 8'dia x 34'h BOLLARD STYLE LED LUMINAIRE WITH HIGH IMPACT UV RESISTANT ENCAPSULATED SOLAR MODULE, INTEGRAL DRIVER, INTEGRAL HIGH PERFORMANCE LITHIUM BATTERY, OMNI DIRECTIONAL DISTRIBUTION, CAST ALUM. CONSTRUCTION, FACTORY SET LIGHTING PROFILES AND FINISH PER ARCHITECT.	FIRST LIGHT TECHNOLOGIES LTD [METEOR LIGHTING] [VALEN LIGHT]	WLB.102.x.SYM.NW.04 SERIES [SP-018 SERIES] [VERTAC BOLLARD SERIES]	N/A	N/A	LED, 4000k	CONCRETE BASE WITH ANCHOR BOLTS. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER RECOMMENDATIONS AND PROVIDE.	
S# SERIES	NOMINAL 311'x 14"w x 7'd AREA STYLE LED LUMINAIRE WITH DIE-CAST ALUM. HOUSING, INTEGRAL HEAT SINK, 70+ CRI MIN., INTEGRAL 0-10V DIMMING DRIVER, IP66 RATED, INTERNAL LOUVER, INTEGRAL 10KV SURGE PROTECTION AND FINISH PER ARCHITECT. REFER TO TYPES BELOW FOR VARIOUS DISTRIBUTIONS AND REQUIRED BUG RATINGS.	LSI [OR APPROVED EQUALS]	MRM.LED.9L.SIL.[SEE BELOW].x.UNV.DIM.40.70CRI.x.[FINISH].IL SERIES	277	-	LED, 4000k	POLE, ARM SIDE MOUNT	0-10v WIRING REQUIRED
S2	TYPE 2 DISTRIBUTION, INTERNAL LOUVER, B0.U0.G1 BUG RATING.	LSI	MRM.LED.9L.SIL.2.x.UNV.DIM.40.70CRI.x.[FINISH].IL SERIES	277	69	LED, 4000k, 5835lms	POLE, ARM SIDE MOUNT	0-10v WIRING REQUIRED
S2T	TYPE 2 DISTRIBUTION, INTERNAL LOUVER, TWIN HEAD ARRANGEMENT AT 180deg AND B0.U0.G1 BUG RATING.	LSI	MRM.LED.9L.SIL.2.x.UNV.DIM.40.70CRI.x.[FINISH].IL SERIES	277	69	LED, 4000k, 5835lms	POLE, ARM SIDE MOUNT	0-10v WIRING REQUIRED
S3	TYPE 3 DISTRIBUTION, INTERNAL LOUVER, B0.U0.G2 BUG RATING.	LSI	MRM.LED.9L.SIL.3.x.UNV.DIM.40.70CRI.x.[FINISH].IL SERIES	277	69	LED, 4000k, 7071lms	POLE, ARM SIDE MOUNT	0-10v WIRING REQUIRED
S3T	TYPE 3 DISTRIBUTION, INTERNAL LOUVER, TWIN HEAD ARRANGEMENT AT 180deg AND B0.U0.G2 BUG RATING.	LSI	MRM.LED.9L.SIL.3.x.UNV.DIM.40.70CRI.x.[FINISH].IL SERIES	277	138	LED, 4000k, 7071lms PER LUMINAIRE	POLE, ARM SIDE MOUNT	0-10v WIRING REQUIRED
S3TT	TYPE 3 DISTRIBUTION, INTERNAL LOUVER, TRIPLE HEAD ARRANGEMENT AT 90deg AND B0.U0.G2 BUG RATING.	LSI	MRM.LED.9L.SIL.3.x.UNV.DIM.40.70CRI.x.[FINISH].IL SERIES	277	207	LED, 4000k, 7071lms PER LUMINAIRE	POLE, ARM SIDE MOUNT	0-10v WIRING REQUIRED
S34T	ONE TYPE 3 DISTRIBUTION (B0.U0.G2) WITH INTERNAL LOUVER AND ONE TYPE 4 DISTRIBUTION (B0.U0.G2) WITH INTERNAL LOUVER, TWIN HEAD ARRANGEMENT AT 180deg	LSI	MRM.LED.9L.SIL.3FT.x.UNV.DIM.40.70CRI.x.[FINISH].IL SERIES	277	138	LED, 4000k, 7071/8069lms	POLE, ARM SIDE MOUNT	0-10v WIRING REQUIRED
S-POLE	POLE SHALL BE 25 FEET, SQUARE STRAIGHT ALUMINUM, SIZED FOR PROPER EPA OF LUMINAIRE(S) ATTACHED. FINISH OF POLE PER ARCHITECT. LOW VOLTAGE BARRIER FOR SECURITY CABLING AND 0-10V DIMMING REQUIRED FOR ENTIRE LENGTH OF POLE. POLES SHALL NOT BE SIZED FOR BANNER ATTACHMENTS.			-	-	-	REFER TO POLE BASE DETAIL No. 1	VERIFY ALL POLES THAT ARE TO HAVE SECURITY CAMERAS ON THEM AND ACCOUNT FOR WIND LOADING OF ADDITIONAL EQUIPMENT.

SCALE: 1' = 50'-0"

50 0 50 100

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5924
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE No. 45531
EXPIRATION DATE: 06-03-2020

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDERICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21739

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS BID #19C14

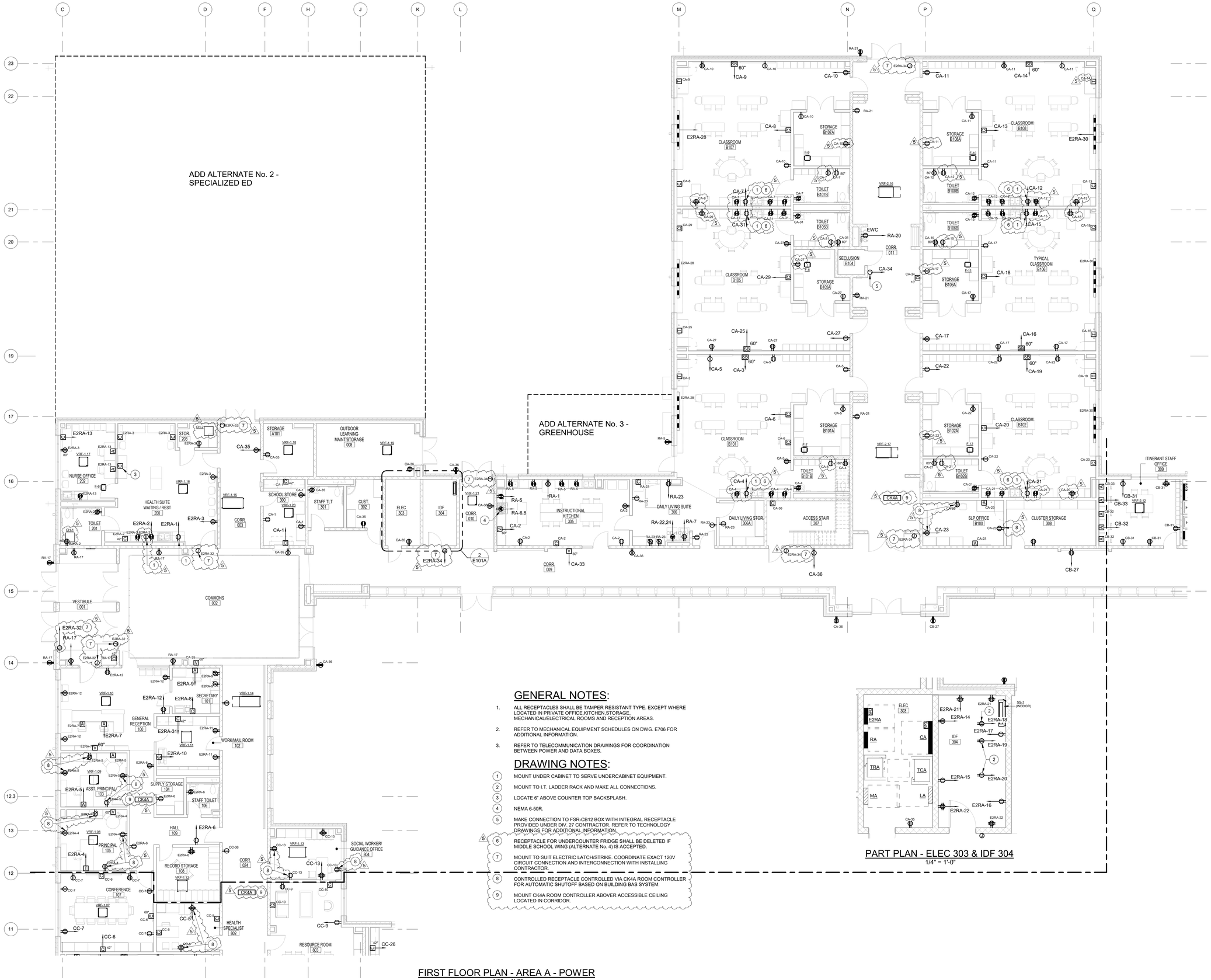
ISSUE

REV	DATE	DESCRIPTION
2	7/11/19	ADDENDUM No. 2
3	7/18/19	ADDENDUM No. 3
4	7/24/19	ADDENDUM No. 4
5	7/30/19	ADDENDUM No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

SITE PLAN - ELECTRICAL

E004



GENERAL NOTES:

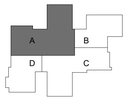
1. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. EXCEPT WHERE LOCATED IN PRIVATE OFFICE,KITCHEN,STORAGE, MECHANICAL/ELECTRICAL ROOMS AND RECEPTION AREAS.
2. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON DWG. E706 FOR ADDITIONAL INFORMATION.
3. REFER TO TELECOMMUNICATION DRAWINGS FOR COORDINATION BETWEEN POWER AND DATA BOXES.

DRAWING NOTES:

1. MOUNT UNDER CABINET TO SERVE UNDERCABINET EQUIPMENT.
2. MOUNT TO I.T. LADDER RACK AND MAKE ALL CONNECTIONS.
3. LOCATE 6" ABOVE COUNTER TOP BACKSPLASH.
4. NEMA 6-50R.
5. MAKE CONNECTION TO FSR-CB12 BOX WITH INTEGRAL RECEPTACLE PROVIDED UNDER DIV. 27 CONTRACTOR. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
6. RECEPTACLE FOR UNDERCOUNTER FRIDGE SHALL BE DELETED IF MIDDLE SCHOOL WING (ALTERNATE No. 4) IS ACCEPTED.
7. MOUNT TO SUIT ELECTRIC LATCH/STRIKE. COORDINATE EXACT 120V CIRCUIT CONNECTION AND INTERCONNECTION WITH INSTALLING CONTRACTOR.
8. CONTROLLED RECEPTACLE CONTROLLED VIA CK4A ROOM CONTROLLER FOR AUTOMATIC SHUTOFF BASED ON BUILDING BAS SYSTEM.
9. MOUNT CK4A ROOM CONTROLLER ABOVER ACCESSIBLE CEILING LOCATED IN CORRIDOR.

PART PLAN - ELEC 303 & IDF 304
1/4" = 1'-0"

FIRST FLOOR PLAN - AREA A - POWER
1/8" = 1'-0"



KEY PLAN

8' 4' 0' 8'

SCALE : 1/8" = 1'-0"

4' 2' 0' 4'

SCALE : 1/4" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albaneningineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 08/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

FIRST FLOOR PLAN - AREA A - POWER

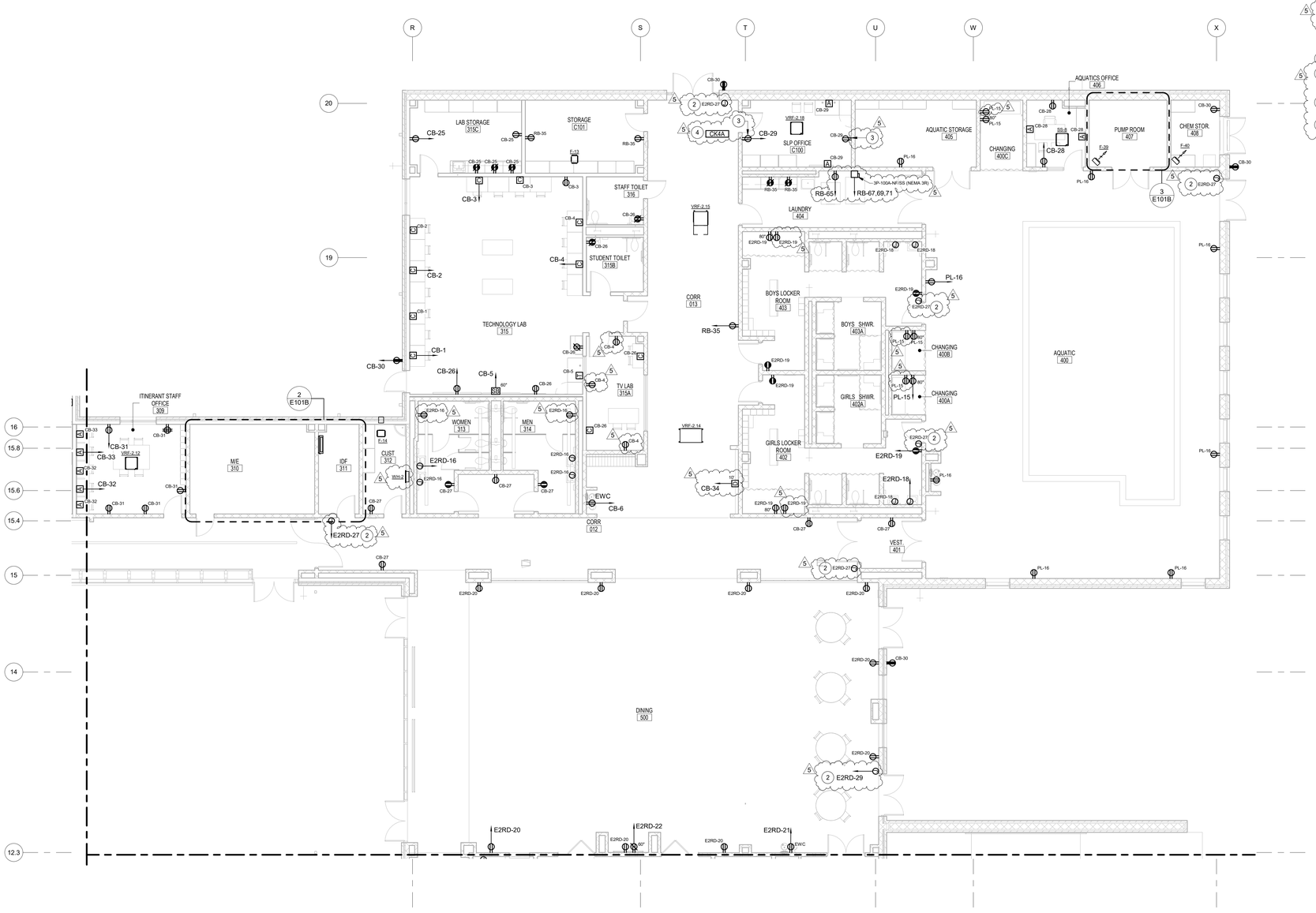
E101A

GENERAL NOTES:

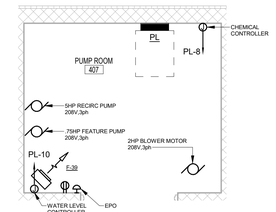
1. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. EXCEPT WHERE LOCATED IN PRIVATE OFFICE,KITCHEN,STORAGE, MECHANICAL/ELECTRICAL ROOMS AND RECEPTION AREAS.
2. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON DWG. E706 FOR ADDITIONAL INFORMATION.
3. REFER TO TELECOMMUNICATION DRAWINGS FOR COORDINATION BETWEEN POWER AND DATA BOXES.
4. REFER TO POOL DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. INCLUDING EQUIPMENT INTERWIRING, GROUNDING AND BONDING OF THE POOL STRUCTURE, ETC.

DRAWING NOTES:

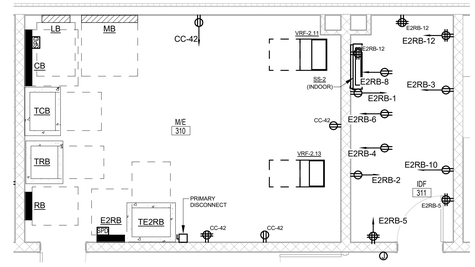
1. MOUNT TO I.T. LADDER RACK AND MAKE ALL CONNECTIONS.
2. MOUNT TO SUIT ELECTRIC LATCH/STRIKE. COORDINATE EXACT 120V CIRCUIT CONNECTION AND INTERCONNECTION WITH INSTALLING CONTRACTOR.
3. CONTROLLED RECEPTACLE CONTROLLED VIA CK4A ROOM CONTROLLER FOR AUTOMATIC SHUTOFF BASED ON BUILDING BAS SYSTEM.
4. MOUNT CK4A ROOM CONTROLLER ABOVER ACCESSIBLE CEILING LOCATED IN CORRIDOR.



FIRST FLOOR PLAN - AREA B - POWER
1/8" = 1'-0"



PART PLAN - PUMP ROOM 407
1/4" = 1'-0"



PART PLAN - M/E 310 & IDF 311
1/4" = 1'-0"

KEY PLAN

8' 4' 0' 8'
SCALE : 1/8" = 1'-0"

4' 2' 0' 4'
SCALE : 1/4" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 06/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
556 WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

FIRST FLOOR PLAN - AREA B - POWER

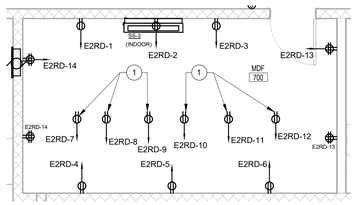
E101B

GENERAL NOTES:

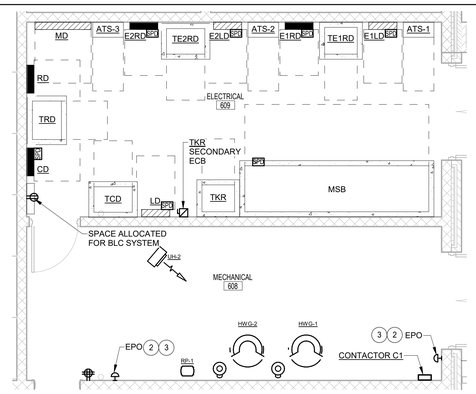
1. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. EXCEPT WHERE LOCATED IN PRIVATE OFFICE,KITCHEN,STORAGE, MECHANICAL/ELECTRICAL ROOMS AND RECEPTION AREAS.
2. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON DWG. E706 FOR ADDITIONAL INFORMATION.
3. REFER TO TELECOMMUNICATION DRAWINGS FOR COORDINATION BETWEEN POWER AND DATA BOXES.

DRAWING NOTES:

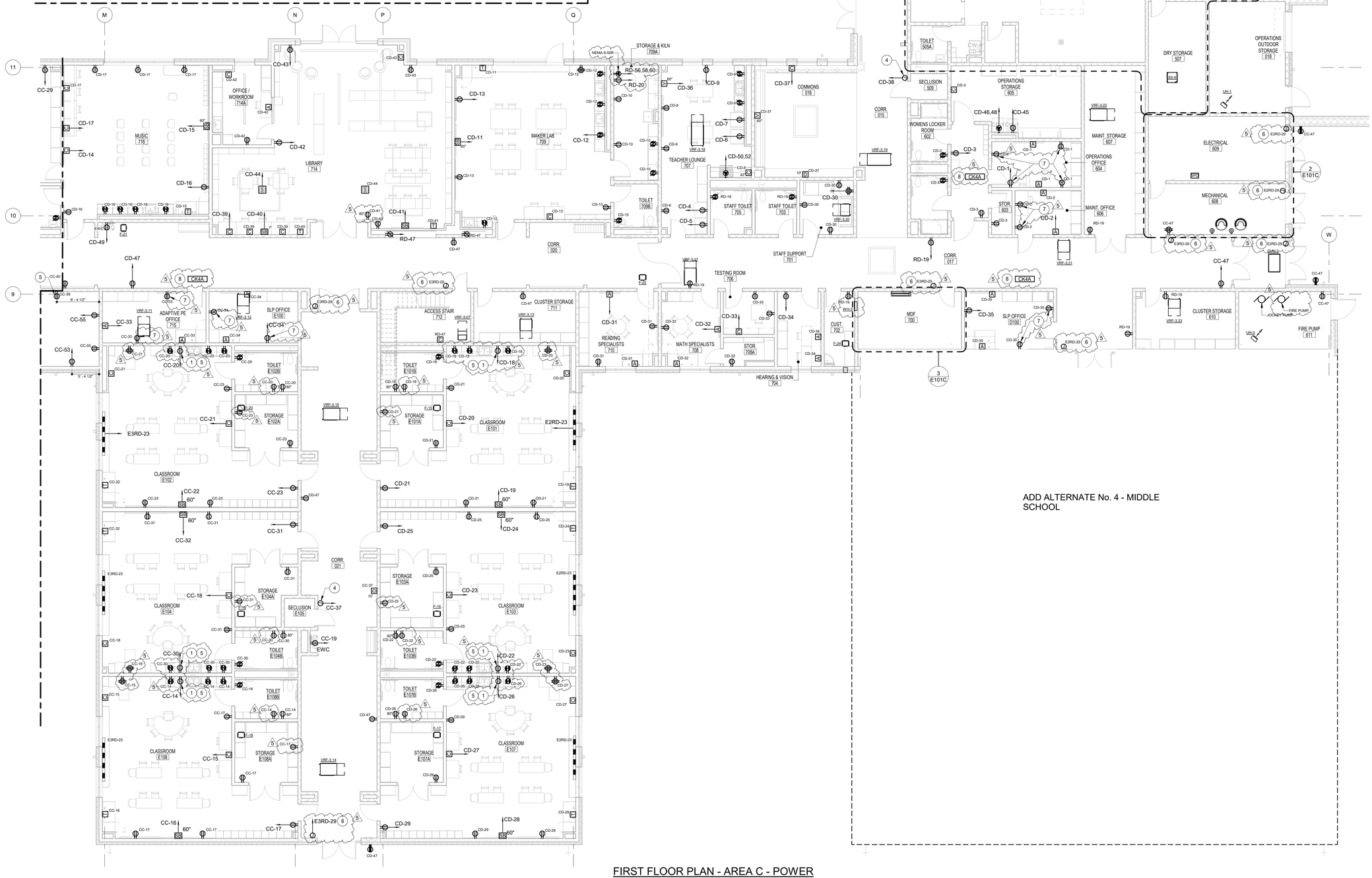
1. MOUNT TO I.T. LADDER RACK AND MAKE ALL CONNECTIONS.
2. MAKE CONNECTION TO CONTACTOR C1 FOR EMERGENCY SHUT-OFF OF HOT WATER GENERATOR.
3. REFER TO DETAIL 7/E602 ON SHEET E602 FOR MORE INFORMATION.
4. MAKE CONNECTION TO FSR-CB12 BOX WITH INTEGRAL RECEPTACLE PROVIDED UNDER DIV. 27 CONTRACTOR. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
5. RECEPTACLE FOR UNDERCOUNTER FRIDGE SHALL BE DELETED IF MIDDLE SCHOOL WING (ALTERNATE No. 4) IS ACCEPTED.
6. MOUNT TO SUIT ELECTRIC LATCH/STRIKE. COORDINATE EXACT 120V CIRCUIT CONNECTION AND INTERCONNECTION WITH INSTALLING CONTRACTOR.
7. CONTROLLED RECEPTACLE CONTROLLED VIA CK4A ROOM CONTROLLER FOR AUTOMATIC SHUTOFF BASED ON BUILDING BAS SYSTEM.
8. MOUNT CK4A ROOM CONTROLLER ABOVER ACCESSIBLE CEILING LOCATED IN CORRIDOR.



PART PLAN - MDF 700
1/4" = 1'-0"

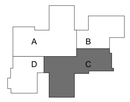


PART PLAN - MECHANICAL 608 & ELECTRICAL 609
1/4" = 1'-0"



FIRST FLOOR PLAN - AREA C - POWER
1/8" = 1'-0"

SCALE : 1/4" = 1'-0"



Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 08/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

FIRST FLOOR PLAN - AREA C - POWER

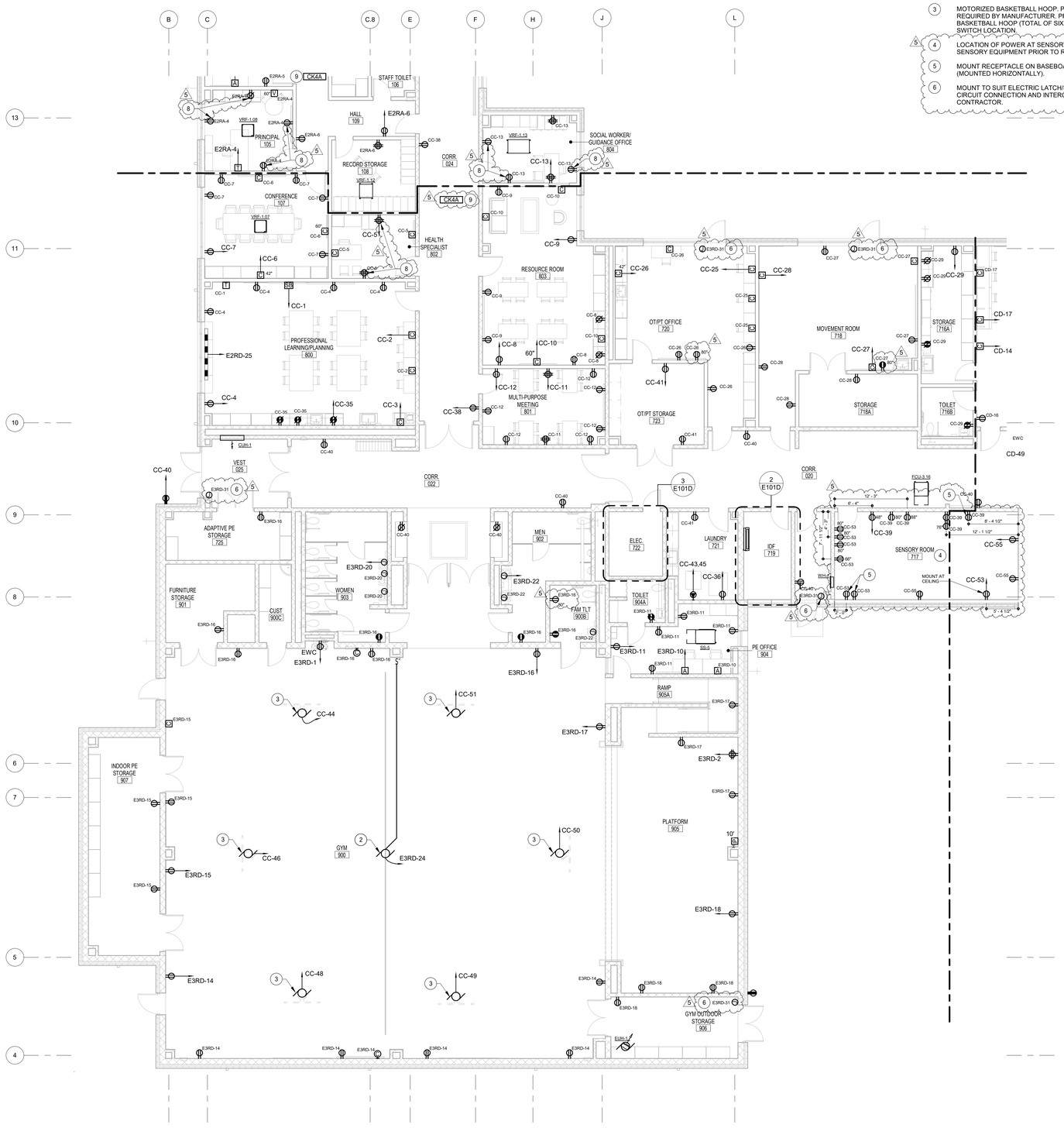
E101C

GENERAL NOTES:

1. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. EXCEPT WHERE LOCATED IN PRIVATE OFFICE,KITCHEN,STORAGE, MECHANICAL/ELECTRICAL ROOMS AND RECEPTION AREAS.
2. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON DWG. E706 FOR ADDITIONAL INFORMATION.
3. REFER TO TELECOMMUNICATION DRAWINGS FOR COORDINATION BETWEEN POWER AND DATA BOXES.

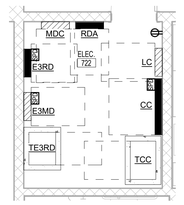
DRAWING NOTES:

1. MOUNT TO I.T. LADDER RACK AND MAKE ALL CONNECTIONS.
2. GYM DIVIDER CURTAIN. REFER TO DETAIL FOR WIRING DIAGRAM FOR MORE INFORMATION.
3. MOTORIZED BASKETBALL HOOP. PROVIDE ALL INTERCONNECTIONS AS REQUIRED BY MANUFACTURER. PROVIDE ONE (1) KEYED SWITCH PER BASKETBALL HOOP (TOTAL OF SIX (6)). LOCATE AT GYM DIVIDER KEY SWITCH LOCATION.
4. LOCATION OF POWER AT SENSORY ROOM IS TO BE COORDINATED WITH SENSORY EQUIPMENT PRIOR TO ROUGH-IN.
5. MOUNT RECEPTACLE ON BASEBOARD. 4-1/2" TO TOP OF DEVICE (MOUNTED HORIZONTALLY).
6. MOUNT TO SUIT ELECTRIC LATCH/STRIKE. COORDINATE EXACT 120V CIRCUIT CONNECTION AND INTERCONNECTION WITH INSTALLING CONTRACTOR.



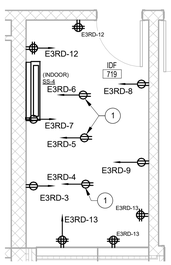
FIRST FLOOR PLAN - AREA D - POWER

1/8" = 1'-0"



PART PLAN - ELEC 722

1/4" = 1'-0"



PART PLAN - IDF 719

1/4" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 43531
EXPIRATION DATE 08/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
558 WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

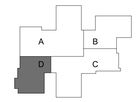
ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

FIRST FLOOR PLAN - AREA D - POWER

E101D



KEY PLAN

8' 4' 0' 8'

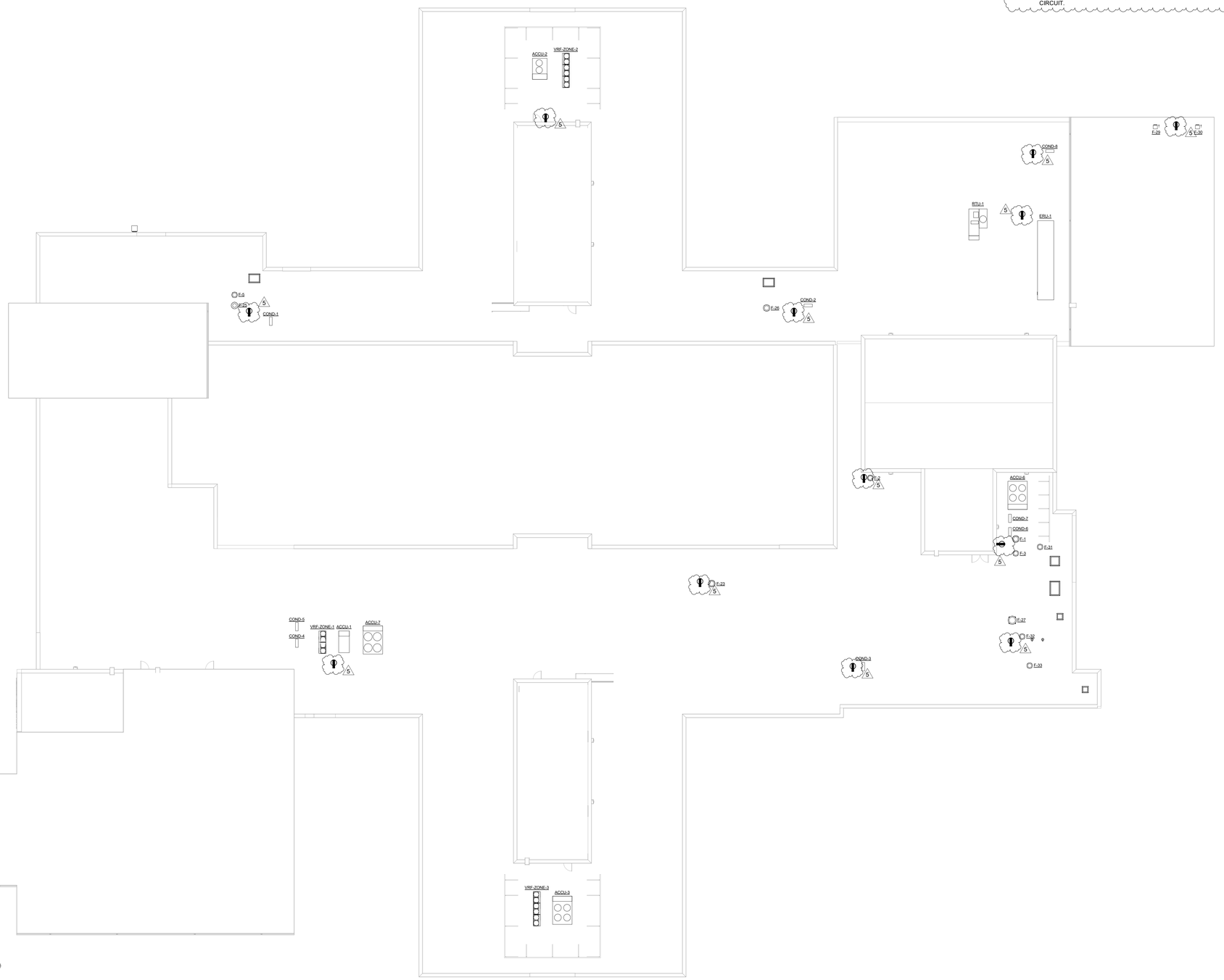
SCALE : 1/8" = 1'-0"

4' 2' 0' 4'

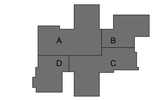
SCALE : 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON DWG. E706 FOR ADDITIONAL INFORMATION.
2. CONNECT MAINTENANCE RECEPTACLES SHOWN TO NEAREST 120V CIRCUIT.



ROOF PLAN - POWER
1/16" = 1'-0"



KEY PLAN
16' 8' 0' 16'
SCALE : 1/16" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 08/02/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

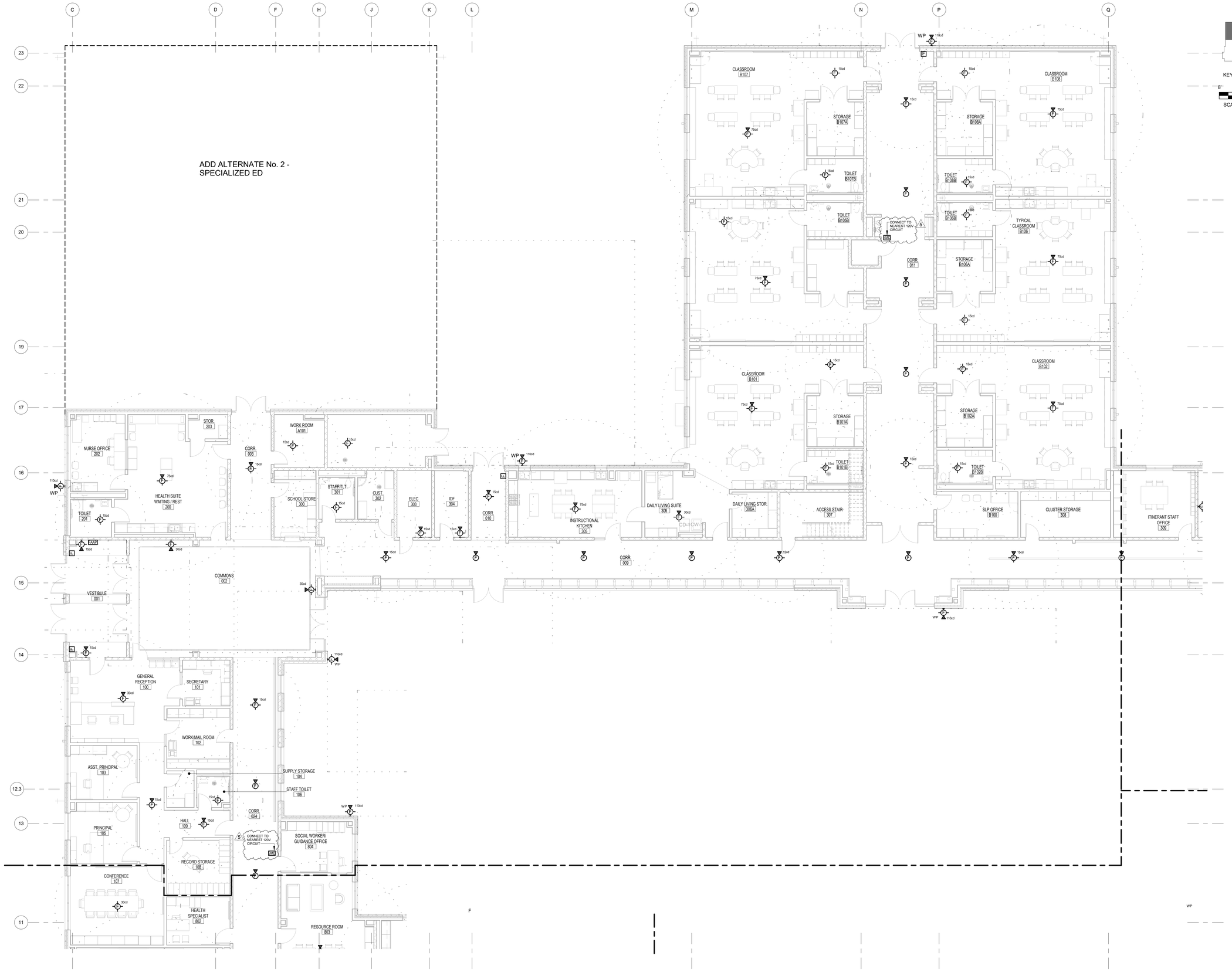
ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

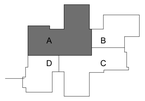
ROOF PLAN - ELECTRICAL

E103



FIRST FLOOR PLAN - AREA A - FIRE ALARM

1/8" = 1'-0"



KEY PLAN

8" 4" 0" 8"

SCALE : 1/8" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 06/30/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
556 WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

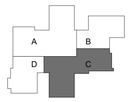
REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

FIRST FLOOR PLAN - AREA A - FIRE ALARM

E301A

FIRST FLOOR PLAN - AREA C - FIRE ALARM
1/8" = 1'-0"



KEY PLAN

8' 4' 0' 8'

SCALE : 1/8" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 546-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 06/30/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

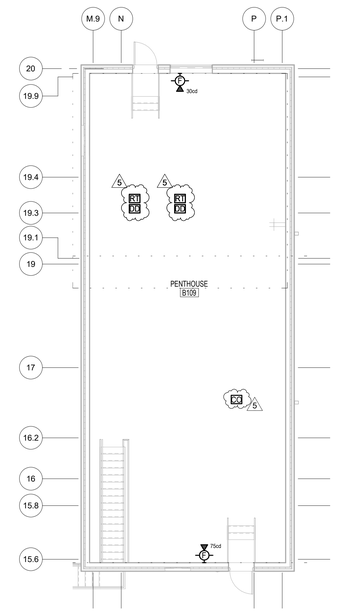
ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

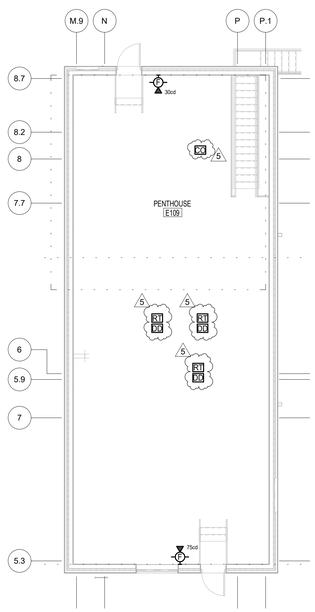
PROJECT NO.: 2017171.00
DATE: 07-01-2019

FIRST FLOOR PLAN - AREA C - FIRE ALARM

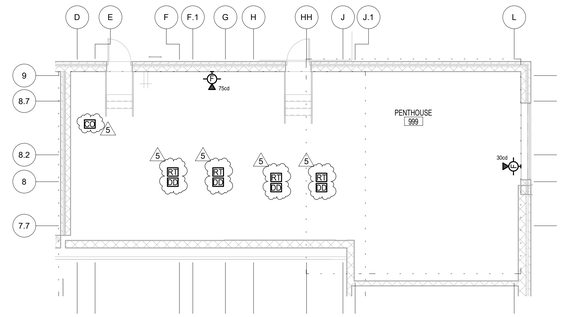
E301C



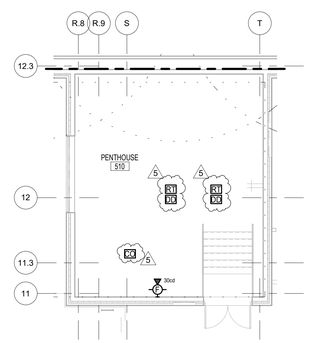
PART PLAN - PENTHOUSE B109 - FIRE ALARM
1/8" = 1'-0"



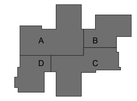
PART PLAN - PENTHOUSE E109 - FIRE ALARM
1/8" = 1'-0"



PART PLAN - PENTHOUSE 999 - FIRE ALARM
1/8" = 1'-0"



PART PLAN - PENTHOUSE 510 - FIRE ALARM
1/8" = 1'-0"



KEY PLAN

8' 4' 0' 8'

SCALE : 1/8" = 1'-0"

Proffitt & Assoc.
ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 06/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

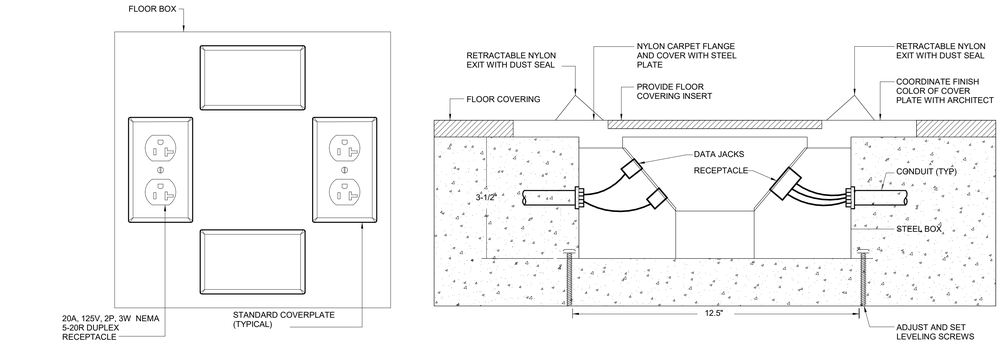
ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

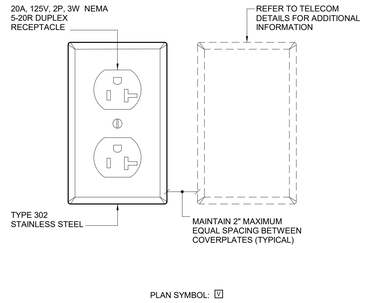
PROJECT NO.: 2017171.00
DATE: 07-01-2019

PENTHOUSES - FIRE ALARM

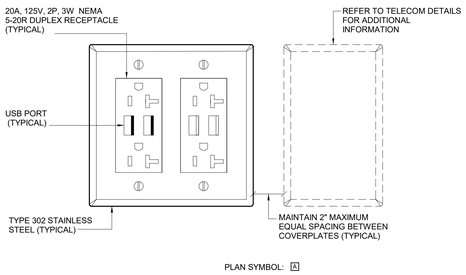
E302



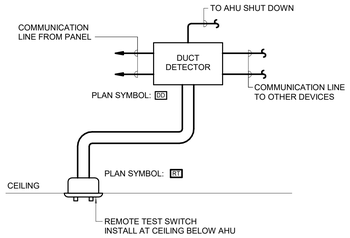
1 E603 FLOOR BOX
Scale = None



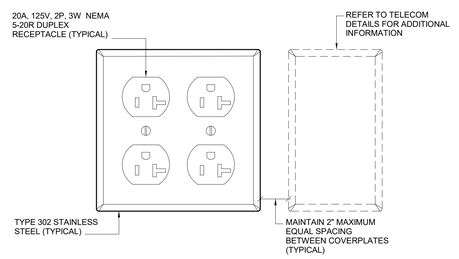
2 E603 VIDEO OUTLETS
Scale = None



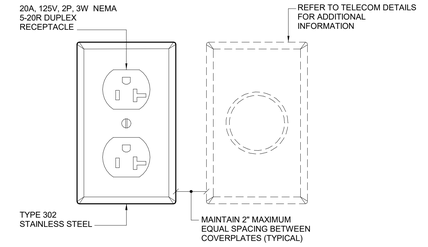
3 E603 AMINISTRATION DROP
Scale = None



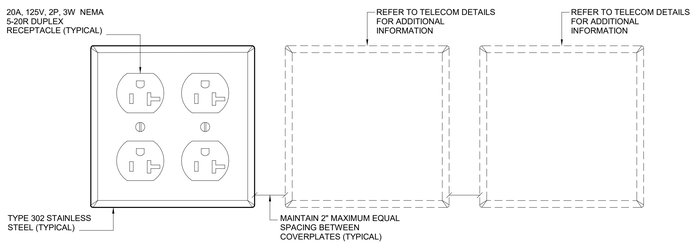
4 E603 DUCT DETECTOR WIRING DIAGRAM
Scale = None



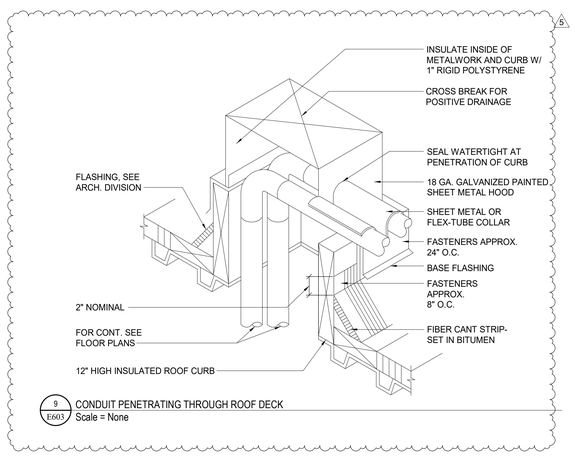
5 E603 COMPUTER DROP
Scale = None



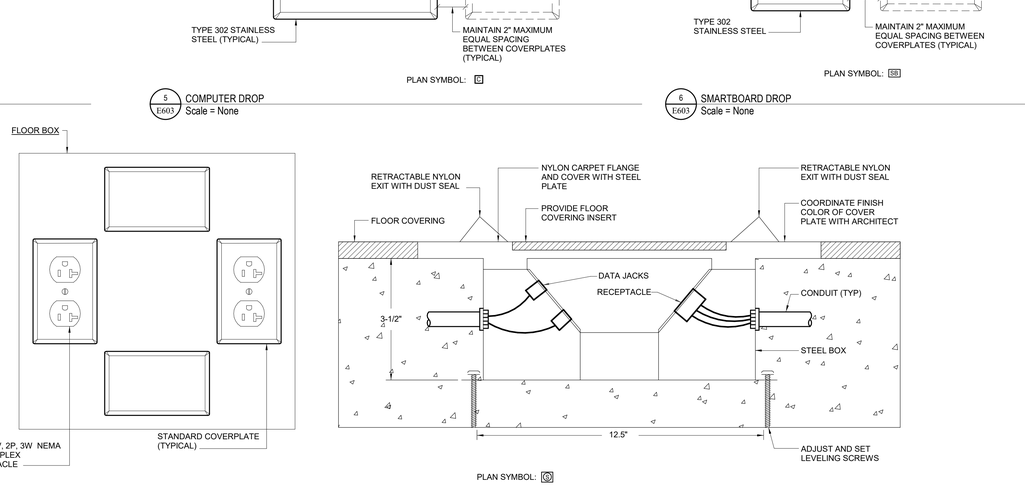
6 E603 SMARTBOARD DROP
Scale = None



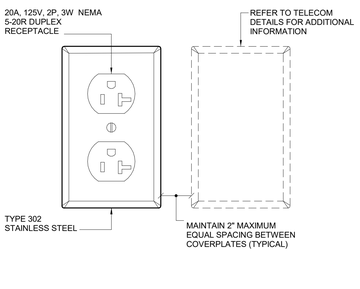
7 E603 TEACHER DROP
Scale = None



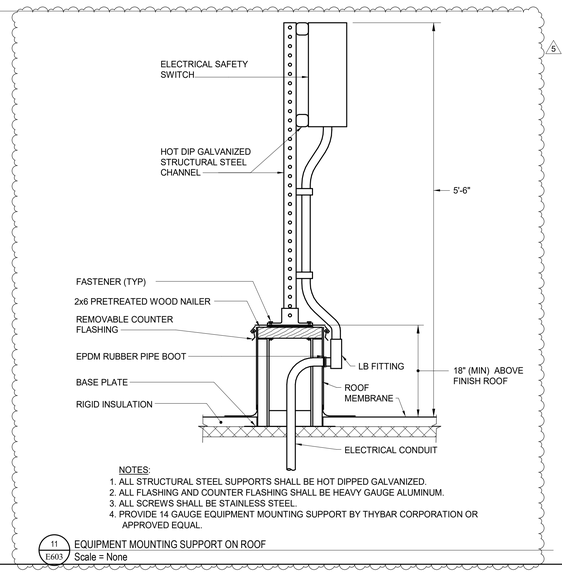
9 E603 CONDUIT PENETRATING THROUGH ROOF DECK
Scale = None



8 E603 FLOOR BOX- ADMIN
Scale = None



10 E603 DUPLEX DATA DROP
Scale = None



11 E603 EQUIPMENT MOUNTING SUPPORT ON ROOF
Scale = None

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 08/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

ELECTRICAL DETAILS

E603

Branch Panel: CA

LOCATION: ELEC 303
SUPPLY FROM: TCA
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 225 A
NEUTRAL RATING: 200%

Notes:
*PROVIDE UNDER ADD ALTERNATE #2

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
CA-1	REC - SCHOOL STORE 300	(2) #12 + #12GW - 3/4"C	1	20 A	1.4 kVA	1.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - INSTRUCTIONAL KITCHEN...	CA-2
CA-3	SMRT/TCHR - CLASSROOM B101	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room B101, B101B	CA-4
CA-5	REC - Room B101A, B101	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	0.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM B101	CA-6
CA-7	REC - Room B107, B107B	(2) #12 + #12GW - 3/4"C	1	20 A	1.4 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM B107	CA-8
CA-9	SMRT/TCHR - CLASSROOM B107	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room B107, B107A	CA-10
CA-11	REC - CLASSROOM B108	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.4 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room B108, B108B	CA-12
CA-13	REC - CLASSROOM B108	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	SMRT/TCHR - CLASSROOM B108	CA-14
CA-15	REC - Room B106B, B106	(2) #12 + #12GW - 3/4"C	1	20 A			1.4 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	SMRT/TCHR - TYPICAL...	CA-16
CA-17	REC - Room B106A, B106	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - TYPICAL CLASSROOM B106	CA-18
CA-19	SMRT/TCHR - CLASSROOM B102	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM B102	CA-20
CA-21	REC - B102B, B102	(2) #12 + #12GW - 3/4"C	1	20 A			1.4 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room B102, B102A	CA-22
CA-23	REC - SLP OFFICE B100	(2) #12 + #12GW - 3/4"C	1	20 A					1.4 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM A112	CA-24
CA-25	REC - CLASSROOM B105	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM A112	CA-26
CA-27	REC - CLASSROOM B105	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM A109	CA-28
CA-29	REC - CLASSROOM B105	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	0.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	TV - CORR 006	CA-30
CA-31	REC - CLASSROOM B105	(2) #12 + #12GW - 3/4"C	1	20 A	1.4 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CONFERENCE A100	CA-32
CA-33	TV - CORR. 009	(2) #12 + #12GW - 3/4"C	1	20 A			0.4 kVA	0.6 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	SECLUSION RM TV - CORR. 011	CA-34
CA-35	REC - CORR. 003	(2) #12 + #12GW - 3/4"C	1	20 A					1.6 kVA	1.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CORR. 009	CA-36
CA-37	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	CA-38
CA-39	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	CA-40
CA-41	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	CA-42
CA-43	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	CA-44
CA-45	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	CA-46
CA-47	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	CA-48
CA-49	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	CA-50
CA-51	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	CA-52
CA-53	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	CA-54
CA-55	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	CA-56
CA-57	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	CA-58
CA-59	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	CA-60
CA-61	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	CA-62
CA-63	REC* - CLASSROOM A112	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - SENSORY A107	CA-64
CA-65	REC* - CLASSROOM A109	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	0.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - SENSORY A107	CA-66
CA-67	REC* - CLASSROOM A109	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC* - OFFICE A106	CA-68
CA-69	REC* - CONFERENCE A100	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC* - OFFICE A105	CA-70
CA-71	REC* - SENSORY A107	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC* - OFFICE A103	CA-72
CA-73	REC* - A108	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC* - CLASSROOM A110	CA-74
CA-75	REC* - OFFICE A104	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC* - SUPPORT ROOM A115	CA-76
CA-77	REC* - CLASSROOM A110	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC* - A110A,A113,A114	CA-78
CA-79	REC* - CLASSROOM A110	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	0.1 kVA					30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELEC 303	CA-80
CA-81	REC* - SUPPORT ROOM A115	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	0.1 kVA			--	--	--	--	CA-82
CA-83	REC* - CORR 004,006	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	0.1 kVA	--	--	--	--	CA-84
		Total Connected Load:	64.7...		20.5 kVA		21.7 kVA		22.5 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	0.2 kVA	100.00%	0.2 kVA	**Total Conn. Load:**	64.7 kVA
REC -	64.2 kVA	57.79%	37.1 kVA	**Total Est. Demand:**	37.6 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	**Total Conn.:**	180 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	104 A

Branch Panel: CB

LOCATION: M/E 310
SUPPLY FROM: TCB
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 150 A
NEUTRAL RATING: 200%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
CB-1	REC - TECHNOLOGY LAB 315	(2) #12 + #12GW - 3/4"C	1	20 A	0.8 kVA	0.8 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - TECHNOLOGY LAB 315	CB-2
CB-3	REC - TECHNOLOGY LAB 315	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - TECHNOLOGY LAB 315	CB-4
CB-5	REC - TECHNOLOGY LAB 315	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	0.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	EWC* - CORR 013	CB-6
CB-7	SMRT/TCHR - CLASSROOM C109	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM C109	CB-8
CB-9	REC - CLASSROOM C109	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	SMRT/TCHR - SHARED LEARNING...	CB-10
CB-11	REC - SHARED LEARNING C105	(2) #12 + #12GW - 3/4"C	1	20 A					0.8 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - C105,C106	CB-12
CB-13	SMRT/TCHR - CLASSROOM C103	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM C103	CB-14
CB-15	REC - CLASSROOM C103	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	SMRT/TCHR - CLASSROOM C102	CB-16
CB-17	REC - CLASSROOM C102	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM C102	CB-18
CB-19	SMRT/TCHR - CLASSROOM C104	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM C104	CB-20
CB-21	REC - CLASSROOM C104	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	SMRT/TCHR - CLASSROOM C108	CB-22
CB-23	REC - CLASSROOM C108	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM C108	CB-24
CB-25	REC - LAB STORAGE 315C	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	1.8 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room 315, 316, 315B, 315A	CB-26
CB-27	REC - CORR. 009	(2) #12 + #12GW - 3/4"C	1	20 A			1.8 kVA	1.6 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - AQUATICS OFFICE 406	CB-28
CB-29	REC - CORR C111	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room 408	CB-30
CB-31	REC - ITINERANT STAFF OFFICE...	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - ITINERANT STAFF OFFICE	CB-32
CB-33	REC - ITINERANT STAFF OFFICE...	(2) #12 + #12GW - 3/4"C	1	20 A			0.8 kVA	0.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - INTERACTIVE DISPLAY	CB-34
CB-35	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	CB-36
CB-37	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	CB-38
CB-39	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	CB-40
CB-41	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	CB-42
CB-43	Spare	--	1	20 A	0.0 kVA	0.0 kVA					--	--	--	Spare	CB-44
CB-45	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	CB-46
CB-47	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	CB-48
CB-49	Space	--	--	--	0.0 kVA	0.1 kVA					30 A	3	(4) #10 + #10GW - 3/4	SPD - M/E 310	CB-50
CB-51	Space	--	--	--			0.0 kVA	0.1 kVA			--	--	--	--	CB-52
CB-53	Space	--	--	--					0.0 kVA	0.1 kVA	--	--	--	--	CB-54
		Total Connected Load:	38.1...		13.7 kVA		14.1 kVA		10.3 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	0.0 kVA	0.00%	0.0 kVA	**Total Conn. Load:**	38.1 kVA
REC -	37.8 kVA	63.23%	23.9 kVA	**Total Est. Demand:**	24.2 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	**Total Conn.:**	106 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	67 A

Branch Panel: CC

LOCATION: ELEC. 722
SUPPLY FROM: TCC
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 150 A
NEUTRAL RATING: 200%

Notes:
*PROVIDE WITH GFCI CIRCUIT BREAKER
+PROVIDE UNDER ADD ALTERNATE No. 1

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
CC-1	REC - LEARNING/PLANNING 800	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	0.8 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - LEARNING/PLANNING 800	CC-2
CC-3	COPIER - LEARNING/PLANNING 800	(2) #12 + #12GW - 3/4"C	1	20 A			0.4 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - LEARNING/PLANNING 800	CC-4
CC-5	REC - HEALTH SPECIALIST 802	(2) #12 + #12GW - 3/4"C	1	20 A					1.6 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CONFERENCE 107	CC-6
CC-7	REC - CONFERENCE 107	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	0.8 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - RESOURCE ROOM 803	CC-8
CC-9	REC - RESOURCE ROOM 803	(2) #12 + #12GW - 3/4"C	1	20 A			0.8 kVA	1.6 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - RESOURCE ROOM 803	CC-10
CC-11	REC - MULTI-PURPOSE MEETING...	(2) #12 + #12GW - 3/4"C	1	20 A					0.8 kVA	1.4 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - MULTI-PURPOSE MEETING...	CC-12
CC-13	REC - SOCIAL WORKER/...	(2) #12 + #12GW - 3/4"C	1	20 A	1.4 kVA	1.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room E108, E108B	CC-14
CC-15	REC - CLASSROOM E108	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E108	CC-16
CC-17	REC - Room E108, E108A	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E104	CC-18
CC-19	EWC* - CORR. 021	(2) #12 + #12GW - 3/4"C	1	20 A	0.2 kVA	1.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room E102B, E102	CC-20
CC-21	REC - CLASSROOM E102	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E102	CC-22
CC-23	REC - Room E102, E102A	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	0.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	LIGHTING -	CC-24
CC-25	REC - OT/PT OFFICE 720	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.6 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - OT/PT OFFICE 720	CC-26
CC-27	REC - MOVEMENT ROOM 718	(2) #12 + #12GW - 3/4"C	1	20 A			1.4 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - MOVEMENT ROOM 718	CC-28
CC-29	REC - STORAGE 716A	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.4 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E104	CC-30
CC-31	REC - CLASSROOM E104	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E104	CC-32
CC-33	REC - ADAPTIVE PE OFFICE 715	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - SLP OFFICE E100	CC-34
CC-35	REC - PROFESSIONAL...	(2) #12 + #12GW - 3/4"C	1	20 A					0.6 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	WASHER - LAUNDRY 721	CC-36
CC-37	SECLUSION ROOM TV - CORR. 021	(2) #12 + #12GW - 3/4"C	1	20 A	0.6 kVA	0.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CORR. 024	CC-38
CC-39	REC - SENSORY ROOM 717	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.6 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC -	CC-40
CC-41	REC - Room 723, 721	(2) #12 + #12GW - 3/4"C	1	20 A					0.6 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - M/E 310	CC-42
CC-43	DRYER - LAUNDRY 721	(3) #8 + #10GW - 3/4"C	2	50 A	1.5 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	MOTORIZED BASKETBALL - GYM...	CC-44
CC-45	--	--	--	--			1.5 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	MOTORIZED BASKETBALL - GYM...	CC-46
CC-47	REC - MECHANICAL 608	(2) #12 + #12GW - 3/4"C	1	20 A					1.4 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	MOTORIZED BASKETBALL - GYM...	CC-48
CC-49	MOTORIZED BASKETBALL - GYM...	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	MOTORIZED BASKETBALL - GYM...	CC-50
CC-51	MOTORIZED BASKETBALL - GYM...	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	0.0 kVA			20 A	1	--	Spare	CC-52
CC-53	REC - SENSORY ROOM 717	(2) #12 + #12GW - 3/4"C	1	20 A					1.4 kVA	0.0 kVA	20 A	1	--	Spare	CC-54
CC-55	REC - SENSORY ROOM 717	(2) #12 + #12GW - 3/4"C	1	20 A	0.6 kVA	0.0 kVA					20 A	1	--	Spare	CC-56
CC-57	Spare	--	1	20 A			0.0 kVA	0.0 kVA			--	--	--	Space	CC-58
CC-59	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	CC-60
CC-61	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	CC-62
CC-63	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	CC-64
CC-65	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	CC-66
CC-67	EWC* + - CORR 907	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	0.1 kVA					30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELEC 722	CC-68
CC-69	REC* - P&R OFFICE 908	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	0.1 kVA			--	--	--	--	CC-70
CC-71	REC* - 909,910,911,912	(2) #12 + #12GW - 3/4"C	1	20 A					1.4 kVA	0.1 kVA	--	--	--	--	CC-72
		Total Connected Load:	62.6...		21.3 kVA		21.4 kVA		19.9 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	7.3 kVA	100.00%	7.3 kVA	**Total Conn. Load:**	62.6 kVA
REC -	55.0 kVA	59.09%	32.5 kVA	**Total Est. Demand:**	40.1 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	**Total Conn.:**	174 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	111 A

Branch Panel: CD

LOCATION: ELECTRICAL 609
SUPPLY FROM: TCD
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 225 A
NEUTRAL RATING: 200%

Notes:
*PROVIDE UNDER ADD ALTERNATE No. 4
+PROVIDE UNDER ADD ALTERNATE No. 1 +PROVIDE GFCI CIRCUIT BREAKER

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
CD-1	REC - OPERATIONS OFFICE 604	(2) #12 + #12GW - 3/4"C	1	20 A	1.6 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - MAINT. OFFICE 606	CD-2
CD-3	REC - Room 602, 601, 160, 603	(2) #12 + #12GW - 3/4"C	1	20 A			1.4 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	VENDING - TEACHER LOUNGE 707	CD-4
CD-5	VENDING - TEACHER LOUNGE 707	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REFRIG - TEACHER LOUNGE 707	CD-6
CD-7	REFRIG - TEACHER LOUNGE 707	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	0.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - TEACHER LOUNGE 707	CD-8
CD-9	REC - TEACHER LOUNGE 707	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - STORAGE & KILN 709A	CD-10
CD-11	REC - MAKER LAB 709	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - MAKER LAB 709	CD-12
CD-13	REC - MAKER LAB 709	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	0.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	SOUND SYSTEM - MUSIC 716	CD-14
CD-15	REC - MUSIC 716	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - MUSIC 716	CD-16
CD-17	REC - MUSIC 716	(2) #12 + #12GW - 3/4"C	1	20 A					1.4 kVA	1.4 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room E101, E101B	CD-18
CD-19	REC - CLASSROOM E101	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E101	CD-20
CD-21	REC - Room E101, E101A	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room E103B, E103	CD-22
CD-23	REC - CLASSROOM E103	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E103	CD-24
CD-25	REC - Room E103, E103A	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room E107B, E107	CD-26
CD-27	REC - CLASSROOM E107	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - CLASSROOM E107	CD-28
CD-29	REC - Room E107A, E107	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - STAFF SUPPORT 701	CD-30
CD-31	REC - READING SPECIALISTS 710	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - MATH SPECIALISTS 708	CD-32
CD-33	REC - TESTING ROOM 706	(2) #12 + #12GW - 3/4"C	1	20 A			0.8 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - HEARING & VISION 704	CD-34
CD-35	REC - SLP OFFICE D100	(2) #12 + #12GW - 3/4"C	1	20 A					1.4 kVA	0.4 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	TV - TEACHER LOUNGE 707	CD-36
CD-37	TV/DISPLAY/REC - COMMONS 016	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	0.2 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	SECLUSION ROOM TV - CORR. 015	CD-38
CD-39	REC - LIBRARY 714	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	TCHR/SMRT - LIBRARY 714	CD-40
CD-41	TCHR/SMRT - LIBRARY 714	(2) #12 + #12GW - 3/4"C	1	20 A					2.0 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room 714A, 714	CD-42
CD-43	REC - LIBRARY 714	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	0.8 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - LIBRARY 714	CD-44
CD-45	WASHER - OPERATI

FUSE Panel: E1LD

LOCATION: ELECTRICAL 609
SUPPLY FROM: MSB
MOUNTING: Surface

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22 kAIC
MAINS RATING: 250 A
MCB RATING: 125 A
NEUTRAL RATING: 100%

Notes:
*LOCALIZED DAYLIGHTING ZONE APPLICABLE. ** MEMA dedicated circuit. ***PROVIDE BREAKER AS GFCI TYPE.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT
E1LD-1	PANELBOARD E1RD (VIA TE1RD)	XFMR SCHEDULE	3	60 A	1.3 kVA 3.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - AREA C/D CLASSRM....	E1LD-2
E1LD-3	--	--	--	--		1.3 kVA 2.7 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - CORR.'s 003, 010, 011, 20,...	E1LD-4
E1LD-5	--	--	--	--			1.3 kVA 2.5 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - CORR.'s 012, 013, 015, 017	E1LD-6
E1LD-7	LTG. - MECH/ELEC./MDF/IDF RMs	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA 1.3 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - HEALTH and ADMIN. **	E1LD-8
E1LD-9	LTG. - STAFF AND PUBLIC REST...	(2) #12 + #12GW - 3/4"C	1	20 A		1.2 kVA 2.6 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - GYM **	E1LD-10
E1LD-11	LTG. - AREA 'D'	(2) #12 + #12GW - 3/4"C	1	20 A			1.7 kVA 1.5 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - GYM **	E1LD-12
E1LD-13	LTG. - AREA A/B CLASSRM....	(2) #12 + #12GW - 3/4"C	1	20 A	3.1 kVA 2.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - ALL MECH. PENTHOUSES	E1LD-14
E1LD-15	LTG. - COMMONS 002, CORR. 009	(2) #12 + #12GW - 3/4"C	1	20 A		2.9 kVA 0.5 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - BUILDING EXIT SIGNAGE	E1LD-16
E1LD-17	LTG. - ENTRY CANOPIES	(2) #12 + #12GW - 3/4"C	1	20 A			2.5 kVA 1.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - BUILDING FACADE	E1LD-18
E1LD-19	LTG. - AQUATIC***	(2) #12 + #12GW - 3/4"C	1	20 A	2.5 kVA 2.3 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - DINING**	E1LD-20
E1LD-21	LTG. - LOCKER ROOMS**	(2) #12 + #12GW - 3/4"C	1	20 A		0.9 kVA 2.9 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - DINING**	E1LD-22
E1LD-23	JOCKEY PUMP - FIRE PUMP 611	(3) #12 + #12GW - 3/4"C	3	15 A			1.3 kVA 0.5 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - BUILDING EXIT SIGNAGE	E1LD-24
E1LD-25	--	--	--	--	1.3 kVA 0.0 kVA			--	--	--	Space	E1LD-26
E1LD-27	--	--	--	--		1.3 kVA 0.0 kVA		--	--	--	Space	E1LD-28
E1LD-29	Spare	--	1	20 A			0.0 kVA 0.0 kVA	--	--	--	Space	E1LD-30
E1LD-31	Spare	--	1	20 A	0.0 kVA 0.0 kVA			--	--	--	Space	E1LD-32
E1LD-33	Spare	--	1	20 A		0.0 kVA 0.0 kVA		--	--	--	Space	E1LD-34
E1LD-35	Spare	--	1	20 A			0.0 kVA 0.0 kVA	--	--	--	Space	E1LD-36
E1LD-37	Spare	--	1	20 A	0.0 kVA 0.1 kVA			30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELECTRICAL 609	E1LD-38
E1LD-39	LTG. - GYM (ADD ALTERNATE)**	(2) #12 + #12GW - 3/4"C	1	20 A		3.2 kVA 0.1 kVA		--	--	--	--	E1LD-40
E1LD-41	LTG. - GYM (ADD ALTERNATE)**	(2) #12 + #12GW - 3/4"C	1	20 A			2.3 kVA 0.1 kVA	--	--	--	--	E1LD-42
		Total Connected Load:	53.3...		18.5 kVA	19.5 kVA	15.3 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
EQUIPMENT -	0.6 kVA	100.00%	0.6 kVA	**Total Conn. Load:** 53.3 kVA
REC -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand:** 53.3 kVA
MECHANICAL -	4.0 kVA	100.00%	4.0 kVA	**Total Conn.:** 64 A
LTG. -	28.8 kVA	100.00%	28.8 kVA	**Total Est. Demand.:** 64 A

FUSE Panel: E1RD

LOCATION: ELECTRICAL 609
SUPPLY FROM: TE1RD
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC 5
MAINS RATING: 100 A
MCB RATING: 100 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT
E1RD-1	GEN. BATTERY CHARGER -...	(2) #12 + #12GW - 3/4"C	1	20 A	0.2 kVA 1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	FACP - MDF 700	E1RD-2
E1RD-3	GEN. JACKET HEATER -...	(2) #12 + #12GW - 3/4"C	1	20 A		0.2 kVA 1.0 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	FACP - MDF 700	E1RD-4
E1RD-5	GEN. WATER HEATER -...	(2) #12 + #12GW - 3/4"C	1	20 A			0.2 kVA 1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	FACP - MDF 700	E1RD-6
E1RD-7	Spare	--	1	20 A	0.0 kVA 0.0 kVA			20 A	1	--	Spare	E1RD-8
E1RD-9	Spare	--	1	20 A		0.0 kVA 0.0 kVA		20 A	1	--	Spare	E1RD-10
E1RD-11	Spare	--	1	20 A			0.0 kVA 0.0 kVA	20 A	1	--	Spare	E1RD-12
E1RD-13	Spare	--	1	20 A	0.0 kVA 0.0 kVA			20 A	1	--	Spare	E1RD-14
E1RD-15	Spare	--	1	20 A		0.0 kVA 0.0 kVA		20 A	1	--	Spare	E1RD-16
E1RD-17	Spare	--	1	20 A			0.0 kVA 0.0 kVA	20 A	1	--	Spare	E1RD-18
E1RD-19												E1RD-20
E1RD-21												E1RD-22
E1RD-23												E1RD-24
E1RD-25	SPD - ELECTRICAL 609	(4) #10 + #10GW - 3/4"C	3	30 A	0.1 kVA							E1RD-26
E1RD-27	--	--	--	--		0.1 kVA						E1RD-28
E1RD-29	--	--	--	--			0.1 kVA					E1RD-30
		Total Connected Load:	3.9 kVA		1.3 kVA	1.3 kVA	1.3 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
EQUIPMENT -	0.6 kVA	100.00%	0.6 kVA	**Total Conn. Load:** 3.9 kVA
REC -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand:** 3.9 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	**Total Conn.:** 11 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:** 11 A

Branch Panel: E2LD

LOCATION: ELECTRICAL 609
SUPPLY FROM: MSB
MOUNTING: Surface

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22 kAIC
MAINS RATING: 250 A
MCB RATING: 125 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT
E2LD-1	PANELBOARD E2RD (VIA TE2RD)	XFMR SCHEDULE	3	90 A	12.0... 16.2 kVA			150 A	3	XFMR SCHEDULE	PANELBOARD E2RB (VIA TE2RB)	E2LD-2
E2LD-3	--	--	--	--		8.8 kVA 19.3 kVA		--	--	--	--	E2LD-4
E2LD-5	--	--	--	--			10.8 kVA 16.3...	--	--	--	--	E2LD-6
E2LD-7	Spare	--	1	20 A	0.0 kVA 0.0 kVA			20 A	1	--	Spare	E2LD-8
E2LD-9	Spare	--	1	20 A		0.0 kVA 0.0 kVA		20 A	1	--	Spare	E2LD-10
E2LD-11	Spare	--	1	20 A			0.0 kVA 0.0 kVA	20 A	1	--	Spare	E2LD-12
E2LD-13	Spare	--	1	20 A	0.0 kVA 0.0 kVA			20 A	1	--	Spare	E2LD-14
E2LD-15	Spare	--	1	20 A		0.0 kVA 0.0 kVA		20 A	1	--	Spare	E2LD-16
E2LD-17	Spare	--	1	20 A			0.0 kVA 0.0 kVA	20 A	1	--	Spare	E2LD-18
E2LD-19	Space	--	--	--	0.0 kVA 0.0 kVA			--	--	--	Space	E2LD-20
E2LD-21	Space	--	--	--		0.0 kVA 0.0 kVA		--	--	--	Space	E2LD-22
E2LD-23	Space	--	--	--			0.0 kVA 0.0 kVA	--	--	--	Space	E2LD-24
E2LD-25	Space	--	--	--	0.0 kVA 0.1 kVA			30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELECTRICAL 609	E2LD-26
E2LD-27	Space	--	--	--		0.0 kVA 0.1 kVA		--	--	--	--	E2LD-28
E2LD-29	Space	--	--	--			0.0 kVA 0.1 kVA	--	--	--	--	E2LD-30
		Total Connected Load:	83.6...		28.3 kVA	28.2 kVA	27.2 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
EQUIPMENT -	8.8 kVA	100.00%	8.8 kVA	**Total Conn. Load:** 83.6 kVA
REC -	49.2 kVA	60.16%	29.6 kVA	**Total Est. Demand:** 64.0 kVA
MECHANICAL -	11.9 kVA	100.00%	11.9 kVA	**Total Conn.:** 101 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:** 77 A

Branch Panel: E2RD

LOCATION: ELECTRICAL 609
SUPPLY FROM: TE2RD
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 150 A
NEUTRAL RATING: 100%

Notes:
*PROVIDE UNDER ADD ALTERNATE No. 4

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT
E2RD-1	REC - MDF 700	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA 1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - MDF 700	E2RD-2
E2RD-3	REC - MDF 700	(2) #12 + #12GW - 3/4"C	1	20 A		1.0 kVA 1.0 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	REC - MDF 700	E2RD-4
E2RD-5	REC - MDF 700	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA 1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - MDF 700	E2RD-6
E2RD-7	REC - MDF 700	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA 1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - MDF 700	E2RD-8
E2RD-9	REC - MDF 700	(2) #12 + #12GW - 3/4"C	1	20 A		1.0 kVA 1.0 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	REC - MDF 700	E2RD-10
E2RD-11	REC - MDF 700	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA 1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - MDF 700	E2RD-12
E2RD-13	REC - MDF 700	(2) #12 + #12GW - 3/4"C	1	20 A	0.8 kVA 0.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - MDF 700	E2RD-14
E2RD-15	COND-3	(2) #12 + #12GW - 3/4"C	2	20 A		1.9 kVA 1.2 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	SENSOR FAUCETS - Room 313, 314	E2RD-16
E2RD-17	--	--	--	--			1.9 kVA 0.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	SENSOR FAUCETS - Room 402, 403	E2RD-18
E2RD-19	REC - Room 403, 402	(2) #12 + #12GW - 3/4"C	1	20 A	1.6 kVA 1.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - DINING 500	E2RD-20
E2RD-21	EWC - DINING 500	(2) #12 + #12GW - 3/4"C	1	20 A		0.2 kVA 0.2 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	DIGITAL MENU - DINING 500	E2RD-22
E2RD-23	PLUGMOLD - CLASSROOM...	(2) #12 + #12GW - 3/4"C	1	20 A			1.8 kVA 1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	PLUGMOLD* - CLASSROOM...	E2RD-24
E2RD-25	PLUGMOLD - PROFESSIONAL...	(2) #12 + #12GW - 3/4"C	1	20 A	1.1 kVA 1.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	PLUGMOLD* -CLASSROOM...	E2RD-26
E2RD-27	DOOR LATCH/STRIKE - Room 012,...	(2) #12 + #12GW - 3/4"C	1	20 A		1.2 kVA 0.0 kVA		--	--	--	Space	E2RD-28
E2RD-29	DOOR LATCH/STRIKE - Room 500,...	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA 0.0 kVA	--	--	--	Space	E2RD-30
E2RD-31	Spare	--	1	20 A	0.0 kVA 0.0 kVA			--	--	--	Space	E2RD-32
E2RD-33	Spare	--	1	20 A		0.0 kVA 0.0 kVA		--	--	--	Space	E2RD-34
E2RD-35	Spare	--	1	20 A			0.0 kVA 0.0 kVA	--	--	--	Space	E2RD-36
E2RD-37	Spare	--	1	20 A	0.0 kVA 0.1 kVA			30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELECTRICAL 609	E2RD-38
E2RD-39	Spare	--	1	20 A		0.0 kVA 0.1 kVA		--	--	--	--	E2RD-40
E2RD-41	Spare	--	1	20 A			0.0 kVA 0.1 kVA	--	--	--	--	E2RD-42
		Total Connected Load:	31.6...		12.0 kVA	8.8 kVA	10.8 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
EQUIPMENT -	3.8 kVA	100.00%	3.8 kVA	**Total Conn. Load:** 31.6 kVA
REC -	17.8 kVA	78.09%	13.9 kVA	**Total Est. Demand:** 27.7 kVA
MECHANICAL -	3.8 kVA	100.00%	3.8 kVA	**Total Conn.:** 88 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:** 77 A

Branch Panel: E3MD

LOCATION: ELEC. 722
SUPPLY FROM: MSB
MOUNTING: Surface

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22 kAIC
MAINS RATING: 250 A
MCB RATING: 250 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT
E3MD-1	PANELBOARD E3RD (VIA TE3RD)	XFMR SCHEDULE	3	90 A	9.9 kVA 13.6 kVA			80 A	3	(3) #6 + #8GW - 1"C	AHU-2 - PENTHOUSE 999	E3MD-2
E3MD-3	--	--	--	--		10.7 kVA 13.6 kVA		--	--	--	--	E3MD-4
E3MD-5	--	--	--	--			10.3 kVA 13.6...	--	--	--	--	E3MD-6
E3MD-7	ACCU-7	(3) #3 + #8GW - 1"C	3	90 A	21.1... 0.0 kVA			--	--	--	Space	E3MD-8
E3MD-9	--	--	--	--		21.1 kVA 0.0 kVA		--	--	--	Space	E3MD-10
E3MD-11	--	--	--	--			21.1 kVA 0.0 kVA	--	--	--	Space	E3MD-12
E3MD-13	Space	--	--	--	0.0 kVA 0.0 kVA			--	--	--	Space	E3MD-14
E3MD-15	Space	--	--	--		0.0 kVA 0.0 kVA		--	--	--	Space	E3MD-16
E3MD-17	Space	--	--	--			0.0 kVA 0.0 kVA	--	--	--	Space	E3MD-18
E3MD-19	Spare	--	1	20 A	0.0 kVA 0.0 kVA			20 A	1	--	Spare	E3MD-20
E3MD-21	Spare	--	1	20 A		0.0 kVA 0.0 kVA		20 A	1	--	Spare	E3MD-22
E3MD-23	Spare	--	1	20 A			0.0 kVA 0.0 kVA	20 A	1	--	Spare	E3MD-24
E3MD-25	Spare	--	1	20 A	0.0 kVA 0.1 kVA			30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELEC 722	E3MD-26
E3MD-27	Spare	--	1	20 A		0.0 kVA 0.1 kVA		--	--	--	--	E3MD-28
E3MD-29	Spare	--	1	20 A			0.0 kVA 0.1 kVA	--	--	--	--	E3MD-30
		Total Connected Load:	135.0...		44.6 kVA	45.4 kVA	45.0 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
EQUIPMENT -	4.6 kVA	100.00%	4.6 kVA	**Total Conn. Load:** 135.0 kVA
REC -	18.0 kVA	77.78%	14.0 kVA	**Total Est. Demand:** 131.0 kVA
MECHANICAL -	110.1 kVA	100.00%	110.1 kVA	**Total Conn.:** 162 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:** 158 A

Branch Panel: RD

LOCATION: ELECTRICAL 609
SUPPLY FROM: TRD
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 225 A
NEUTRAL RATING: 100%

Notes:
* PROVIDE GFCI CIRCUIT BREAKER
+PROVIDE UNDER ADD ALTERNATE #4 ++PROVIDE UNDER ADD ALTERNATE #1

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT
RD-1	REFRIG - SHARED LEARNING D103	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA 1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	EWC* - SHARED LEARNING D103	RD-2
RD-3	REC - CORR 019	(2) #12 + #12GW - 3/4"C	1	20 A		0.8 kVA 0.7 kVA		15 A	2	(2) #12 + #12GW - 3/4"C	VRF-3.07	RD-4
RD-5	VRF-3.01-3.03 - PENTHOUSE E109	(2) #12 + #12GW - 3/4"C	2	15 A			1.5 kVA 0.7 kVA	--	--	--	--	RD-6
RD-7	--	--	--	--	1.5 kVA 1.0 kVA			15 A	2	(2) #12 + #12GW - 3/4"C	VRF-3.11-15,3.17	RD-8
RD-9	VRF-3.04-3.06 - PENTHOUSE E109	(2) #12 + #12GW - 3/4"C	2	15 A		1.5 kVA 1.0 kVA		--	--	--	--	RD-10
RD-11	--	--	--	--			1.5 kVA 0.0 kVA	15 A	2	(2) #12 + #12GW - 3/4"C	VRF-4.07	RD-12
RD-13	RP-1- MECHANICAL 608	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA 0.0 kVA			--	--	--	--	RD-14
RD-15	HWG-2 - MECHANICAL 608	(2) #12 + #12GW - 3/4"C	1	20 A		0.6 kVA 1.5 kVA		15 A	2	(2) #12 + #12GW - 3/4"C	VRF-3.08-3.10 - PENTHOUSE E109	RD-16
RD-17	HWG-1 - MECHANICAL 608	(2) #12 + #12GW - 3/4"C	1	20 A			0.6 kVA 1.5 kVA	--	--	--	--	RD-18
RD-19	REC - CORR. 017	(2) #12 + #12GW - 3/4"C	1	20 A	1.6 kVA 0.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	KILN DOWNDRAFT FAN - STORAG...	RD-20
RD-21							1.6 kVA	20 A	2	(2) #12 + #12GW - 3/4"C	COND-6	RD-22
RD-23	COND-7	(2) #12 + #12GW - 3/4"C	2	15 A			0.9 kVA 1.6 kVA	--	--	--	--	RD-24
RD-25	--	--	--	--	0.9 kVA 0.5 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	F-49 - PENTHOUSE D109 (ADD AL...	RD-26
RD-27	UH-5 - PENTHOUSE 510	(2) #12 + #12GW - 3/4"C	1	15 A		0.4 kVA 0.7 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	F-1 (ROOF)	RD-28
RD-29	F-3 (ROOF)	(2) #12 + #12GW - 3/4"C	1	20 A			0.3 kVA 0.5 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	F-35 PENTHOUSE 510	RD-30
RD-31												RD-32
RD-33							0.4 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	F-15, F-16, F-17, F-18, F-19, F-20	RD-34
RD-35	F-21, F-22, F-24	(2) #12 + #12GW - 3/4"C	1	20 A			0.2 kVA 1.7 kVA	15 A	2	(2) #12 + #12GW - 3/4"C	VRF-4.01,4.05,4.06+	RD-36
RD-37	F-36 - PENTHOUSE E109	(2) #12 + #12GW - 3/4"C	1	15 A	0.5 kVA 1.7 kVA			--	--	--	--	RD-38
RD-39	VRF-4.02,4.03+	(2) #12 + #12GW - 3/4"C	2	15 A		1.0 kVA 0.5 kVA		15 A	2	(2) #12 + #12GW - 3/4"C	VRF-4.04+	RD-40
RD-41	--	--	--	--			1.0 kVA 0.5 kVA	--	--	--	--	RD-42
RD-43	F-31	(2) #12 + #12GW - 3/4"C	1	20 A	0.3 kVA 0.4 kVA			20 A	1		F-43, F-44, F-45, F-46, F-47, F-48	RD-44
RD-45	F-32 & F-33 (ROOF)	(2) #12 + #12GW - 3/4"C	1	20 A		0.5 kVA 0.7 kVA		20 A	1	(2) #12 + #12GW - 3/4"C	F-2 & F-23	RD-46
RD-47	REC - ACCESS STAIR 712	(2) #12 + #12GW - 3/4"C	1	20 A			0.8 kVA 0.6 kVA	20 A	2	(2) #12 + #12GW - 3/4"C	BBR-1, BBR-2 - 908 & 913	RD-48
RD-49	F-38	(2) #12 + #12GW - 3/4"C	1	15 A	0.5 kVA 0.6 kVA			--	--	--	--	RD-50
RD-51	UH-6 - PENTHOUSE E109	(2) #12 + #12GW - 3/4"C	1	15 A		0.4 kVA 0.4 kVA		15 A	1	(2) #12 + #12GW - 3/4"C	UH-9 - PENTHOUSE D109	RD-52
RD-53	UH-2, 3 - MECHANICAL 608	(2) #12 + #12GW - 3/4"C	1	15 A			0.5 kVA 0.4 kVA	15 A	1	(2) #12 + #12GW - 3/4"C	UH-1 - OPERATIONS OUTDOOR	RD-54
RD-55	AIR CURTAIN - KITCHEN 503	(2) #12 + #12GW - 3/4"C	1	15 A	0.6 kVA 2.8 kVA			50 A	3	(4) #6 + 10GW - 1"C	KILN - STORAGE & KILN 709A	RD-56
RD-57	Spare	--	1	20 A		0.0 kVA 2.8 kVA		--	--	--	--	RD-58
RD-59	Spare	--	1	20 A			0.0 kVA 2.8 kVA	--	--	--	--	RD-60
RD-61	Spare	--	1	20 A	0.0 kVA 0.0 kVA			20 A	1	--	Spare	RD-62
RD-63	Spare	--	1	20 A		0.0 kVA 0.0 kVA		20 A	1	--	Spare	RD-64
RD-65	Spare	--	1	20 A			0.0 kVA 0.0 kVA	20 A	1	--	Spare	RD-66
RD-67	Spare	--	1	20 A	0.0 kVA 0.0 kVA			20 A	1	--	Spare	RD-68
RD-69						0.0 kVA		20 A	1	--	Spare	RD-70
RD-71							0.0 kVA	20 A	1	--	Spare	RD-72
RD-73												RD-74
RD-75												RD-76
RD-77												RD-78
RD-79												RD-80
RD-81												RD-82
RD-83												RD-84
		Total Connected Load:	49.5...		16.4 kVA	15.5 kVA	17.6 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
EQUIPMENT -	1.1 kVA	100.00%	1.1 kVA	**Total Conn. Load:** 49.5 kVA
REC -	13.7 kVA	86.50%	11.9 kVA	**Total Est. Demand:** 47.6 kVA
MECHANICAL -	34.7 kVA	100.00%	34.7 kVA	**Total Conn.:** 137 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:** 132 A

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 06/30/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
558 WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
3	7/17/19	Addendum No. 3
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

PANELBOARD SCHEDULES

E702

Branch Panel: E3RD

LOCATION: ELEC. 722
SUPPLY FROM: TE3RD
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 150 A
NEUTRAL RATING: 100%

Notes:
*GFCI CIRCUIT BREAKER-TYPE

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
E3RD-1	EWC*- GYM 900	(2) #12 + #12GW - 3/4"C	1	20 A	0.2 kVA	0.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	PLATFORM SOUND SYSTEM -...	E3RD-2
E3RD-3	REC - IDF 719	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 719	E3RD-4
E3RD-5	REC - IDF 719	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 719	E3RD-6
E3RD-7	REC - IDF 719	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 719	E3RD-8
E3RD-9	REC - IDF 719	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	0.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - PE OFFICE 904	E3RD-10
E3RD-11	REC - Room 904, 904A	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	0.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 719	E3RD-12
E3RD-13	REC - IDF 719	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	1.3 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - GYM 900	E3RD-14
E3RD-15	REC - Room 900, 714B	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	1.9 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room 901, 725, 903, 902, 90...	E3RD-16
E3RD-17	REC - Room B165, 905, 900	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	0.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room 906, 905	E3RD-18
E3RD-19	COND-4	(2) #12 + #12GW - 3/4"C	2	20 A	1.9 kVA	0.6 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	SENSOR FAUCETS - WOMEN 903	E3RD-20
E3RD-21	--		--				1.9 kVA	0.6 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	SENSOR FAUCETS - Room 902,...	E3RD-22
E3RD-23	PLUGMOLD - CLASSROOM...	(2) #12 + #12GW - 3/4"C	1	20 A					1.8 kVA	1.2 kVA	20 A	1	(2) #10 + #10GW - 3/4"C	EQUIPMENT - GYM 900	E3RD-24
E3RD-25	COND-5	(2) #12 + #12GW - 3/4"C	2	15 A	1.2 kVA	0.0 kVA					20 A	1	--	Spare	E3RD-26
E3RD-27	--	--	--	--			1.2 kVA	0.0 kVA			20 A	1	--	Spare	E3RD-28
E3RD-29									0.0 kVA		20 A	1	--	Spare	E3RD-30
E3RD-31						0.0 kVA					20 A	1	--	Spare	E3RD-32
E3RD-33								0.0 kVA			20 A	1	--	Spare	E3RD-34
E3RD-35									0.0 kVA		20 A	1	--	Spare	E3RD-36
E3RD-37	Spare	--	1	20 A	0.0 kVA	0.1 kVA					30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELEC 722	E3RD-38
E3RD-39	Spare	--	1	20 A			0.0 kVA	0.1 kVA			--	--	--	--	E3RD-40
E3RD-41	Spare	--	1	20 A					0.0 kVA	0.1 kVA	--	--	--	--	E3RD-42
		Total Connected Load:	28.6...		8.9 kVA		10.7 kVA		9.1 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	2.4 kVA	100.00%	2.4 kVA	**Total Conn. Load:**	28.6 kVA
REC -	18.0 kVA	77.78%	14.0 kVA	**Total Est. Demand:**	24.6 kVA
MECHANICAL -	6.1 kVA	100.00%	6.1 kVA	**Total Conn.:**	79 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	68 A

Branch Panel: E2RA

LOCATION: ELEC 303
SUPPLY FROM: E2RB
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 125 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
E2RA-1	REFRIG. - HEALTH SUITE WAITIN...	(2) #12 + #12GW - 3/4"C	1	20 A	0.2 kVA	1.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room 200, 201	E2RA-2
E2RA-3	REC - Room 200, 203	(2) #12 + #12GW - 3/4"C	1	20 A			1.6 kVA	1.6 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - PRINCIPAL 105	E2RA-4
E2RA-5	REC - ASST. PRINCIPAL 103	(2) #12 + #12GW - 3/4"C	1	20 A					1.6 kVA	1.4 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - Room 100, 109	E2RA-6
E2RA-7	REC - GENERAL RECEPTION 100	(2) #12 + #12GW - 3/4"C	1	20 A	1.2 kVA	0.4 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - SECRETARY 101	E2RA-8
E2RA-9	REC - SECRETARY 101	(2) #12 + #12GW - 3/4"C	1	20 A			0.8 kVA	0.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - WORK/MAIL ROOM 102	E2RA-10
E2RA-11	REC - WORK/MAIL ROOM 102	(2) #12 + #12GW - 3/4"C	1	20 A					0.4 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - GENERAL RECEPTION 100	E2RA-12
E2RA-13	REC - NURSE OFFICE 202	(2) #12 + #12GW - 3/4"C	1	20 A	1.4 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 304	E2RA-14
E2RA-15	REC - IDF 304	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 304	E2RA-16
E2RA-17	REC - IDF 304	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 304	E2RA-18
E2RA-19	REC - IDF 304	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 304	E2RA-20
E2RA-21	REC - IDF 304	(2) #12 + #12GW - 3/4"C	1	20 A			0.8 kVA	0.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 304	E2RA-22
E2RA-23	VRF-1.08-1.11 - Room 100, 103, 10...	(2) #12 + #12GW - 3/4"C	2	15 A					0.2 kVA	0.1 kVA	15 A	2	(2) #12 + #12GW - 3/4"C	VRF-1.17,1.18 - Room 202, 200	E2RA-24
E2RA-25	--	--	--	--	0.2 kVA	0.1 kVA					--	--	--	--	E2RA-26
E2RA-27	COND-1	(2) #10 + #10GW - 3/4"C	2	30 A			1.9 kVA	1.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	PLUGMOLD - CLASSROOM...	E2RA-28
E2RA-29	--	--	--	--					1.9 kVA	1.8 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	PLUGMOLD - CLASSROOM...	E2RA-30
E2RA-31	REC - WORK/MAIL ROOM 102	(2) #12 + #12GW - 3/4"C	1	20 A	0.4 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	DOOR LATCH/STRIKE - Room 001,...	E2RA-32
E2RA-33	CH-2 - STOR. 203	(2) #12 + #12GW - 3/4"C	1	20 A			1.5 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	DOOR LATCH/STRIKE - Room 009,...	E2RA-34
E2RA-35	CH-1 - TOILET 201	(2) #12 + #12GW - 3/4"C	1	20 A					1.5 kVA	0.0 kVA	20 A	1	--	Spare	E2RA-36
E2RA-37	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	E2RA-38
E2RA-39	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	E2RA-40
E2RA-41	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	E2RA-42
E2RA-43	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	E2RA-44
E2RA-45	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	E2RA-46
E2RA-47	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	E2RA-48
E2RA-49	Space	--	--	--	0.0 kVA	0.1 kVA					30 A	3	(4) #10 + #10GW - 3/4"C	SPD - ELEC 303	E2RA-50
E2RA-51	Space	--	--	--			0.0 kVA	0.1 kVA			--	--	--	--	E2RA-52
E2RA-53	Space	--	--	--					0.0 kVA	0.1 kVA	--	--	--	--	E2RA-54
		Total Connected Load:	35.6...		9.3 kVA		14.3 kVA		12.0 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	5.0 kVA	100.00%	5.0 kVA	**Total Conn. Load:**	35.6 kVA
REC -	22.4 kVA	72.32%	16.2 kVA	**Total Est. Demand:**	29.4 kVA
MECHANICAL -	4.3 kVA	100.00%	4.3 kVA	**Total Conn.:**	99 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	82 A

Branch Panel: E2RB

LOCATION: M/E 310
SUPPLY FROM: TE2RB
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 225 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
E2RB-1	REC - IDF 311	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 311	E2RB-2
E2RB-3	REC - IDF 311	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 311	E2RB-4
E2RB-5	REC - IDF 311	(2) #12 + #12GW - 3/4"C	1	20 A					0.8 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 311	E2RB-6
E2RB-7	COND-2	(2) #12 + #12GW - 3/4"C	2	20 A	1.9 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 311	E2RB-8
E2RB-9	--	--	--	--			1.9 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 311	E2RB-10
E2RB-11	PLUGMOLD - CLASSROOM...	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - IDF 311	E2RB-12
E2RB-13	PLUGMOLD - CLASSROOM...	(2) #12 + #12GW - 3/4"C	1	20 A	1.8 kVA	0.0 kVA					20 A	1	--	Spare	E2RB-14
E2RB-15	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	E2RB-16
E2RB-17	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	E2RB-18
E2RB-19	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	E2RB-20
E2RB-21	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	E2RB-22
E2RB-23	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	E2RB-24
E2RB-25	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	E2RB-26
E2RB-27	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	E2RB-28
E2RB-29	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	E2RB-30
E2RB-31	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	E2RB-32
E2RB-33	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	E2RB-34
E2RB-35	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	E2RB-36
E2RB-37	PANEL E2RA	(4) #1 + #6GW - 1-1/2"C	3	125 A	9.3 kVA	0.1 kVA					30 A	3	(4) #10 + #10GW - 3/4"C	SPD - M/E 310	E2RB-38
E2RB-39	--	--	--	--			14.3 kVA	0.1 kVA			--	--	--	--	E2RB-40
E2RB-41	--	--	--	--					12.0 kVA	0.1 kVA	--	--	--	--	E2RB-42
		Total Connected Load:	51.7...		16.2 kVA		19.3 kVA		16.3 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	5.0 kVA	100.00%	5.0 kVA	**Total Conn. Load:**	51.7 kVA
REC -	31.4 kVA	65.92%	20.7 kVA	**Total Est. Demand:**	41.0 kVA
MECHANICAL -	8.1 kVA	100.00%	8.1 kVA	**Total Conn.:**	144 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	114 A

Branch Panel: KP

LOCATION: KITCHEN 503
SUPPLY FROM: MSB
MOUNTING: Recessed

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22 kAIC
MAINS RATING: 250 A
MCB RATING: 150 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
KP-1	(7) COMBI OVEN - KITCHEN 503	(3) #4 + #6GW - 1"C	3	70 A	12.3...	4.7 kVA					20 A	3	(3) #12 + #12GW - 3/4"C	(8) CONVECTION STEAMER -...	KP-2
KP-3	--	--	--	--			12.3 kVA	4.7 kVA			--	--	--	--	KP-4
KP-5	--	--	--	--					12.3 kVA	4.7 kVA	--	--	--	--	KP-6
KP-7	(8) CONVECTION STEAMER -...	(3) #12 + #12GW - 3/4"C	3	20 A	4.7 kVA	2.8 kVA					15 A	3	(3) #12 + #12GW - 3/4"C	(16) DISHMACHINE - DISHWASH...	KP-8
KP-9	--	--	--	--			4.7 kVA	2.8 kVA			--	--	--	--	KP-10
KP-11	--	--	--	--					4.7 kVA	2.8 kVA	--	--	--	--	KP-12
KP-13	EUH-3 - TABLE STORAGE 501	(2) #12 + #12GW - 3/4"C	1	15 A	3.0 kVA	0.0 kVA					20 A	1	--	Spare	KP-14
KP-15	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	KP-16
KP-17	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	KP-18
KP-19	Spare	--	1	20 A	0.0 kVA	0.0 kVA					--	--	--	Space	KP-20
KP-21	Spare	--	1	20 A			0.0 kVA	0.0 kVA			--	--	--	Space	KP-22
KP-23	Spare	--	1	20 A					0.0 kVA	0.0 kVA	--	--	--	Space	KP-24
KP-25	Spare	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	KP-26
KP-27	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	KP-28
KP-29	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	KP-30
		Total Connected Load:	76.5...		27.5 kVA		24.5 kVA		24.5 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	3.0 kVA	100.00%	3.0 kVA	**Total Conn. Load:**	76.5 kVA
REC -	14.0 kVA	85.71%	12.0 kVA	**Total Est. Demand:**	74.5 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	**Total Conn.:**	92 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	90 A

Branch Panel: KR

LOCATION: KITCHEN 503
SUPPLY FROM: TKR
MOUNTING: Recessed

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 150 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
KR-1	(1) REACH-IN REFRIG - KITCHEN...	(2) #12 + #12GW - 3/4"C	1	15 A	0.9 kVA	0.9 kVA					15 A	1	(2) #12 + #12GW - 3/4"C	(1) REACH-IN REFRIG - KITCHEN...	KR-2
KR-3	(2) REACH-IN FREEZER - KITCHE...	(2) #12 + #12GW - 3/4"C	1	15 A			1.1 kVA	0.8 kVA			15 A	1	(2) #12 + #12GW - 3/4"C	(19) FLY FAN RECEP - KITCHEN 503	KR-4
KR-5	(17) WASHER - LCKRS 505	(2) #12 + #12GW - 3/4"C	1	20 A					1.8 kVA	3.1 kVA	40 A	2	(3) #8 + #10GW - 3/4"C	(18) DRYER - LCKRS 505	KR-6
KR-7	(11) MILK COOLER - KITCHEN 503	(2) #12 + #12GW - 3/4"C	1	15 A	0.4 kVA	3.1 kVA					--	--	--	--	KR-8
KR-9	(10) PASS-THRU HEAT. CAB. -...	(3) #12 + #12GW - 3/4"C	2	20 A			0.8 kVA	1.3 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	(9) PASS-THRU REFRIG - KITCHE...	KR-10
KR-11	--	--	--	--					0.8 kVA	0.8 kVA	15 A	1	(2) #12 + #12GW - 3/4"C	(13) FROST TOP COUNTER -...	KR-12
KR-13	REC - KITCHEN 503	(3) #8 + #10GW - 3/4"C	2	35 A	2.9 kVA	0.5 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	(14) CASH REGISTER - SERVING...	KR-14
KR-15	--	--	--	--			2.9 kVA	0.4 kVA			15 A	1	(2) #12 + #12GW - 3/4"C	(15) ICE CREAM CMOUNTER -...	KR-16
KR-17	(6) CONVENIENCE REC - KITCHE...	(2) #12 + #12GW - 3/4"C	1	20 A					1.5 kVA	1.5 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	(6) CONVENIENCE REC - KITCHE...	KR-18
KR-19	MAU-1 - PENTHOUSE 510	(2) #12 + #12GW - 3/4"C	1	15 A	1.3 kVA	0.2 kVA					15 A	1	(2) #12 + #12GW - 3/4"C	MAU CONTROL PANEL -...	KR-20
KR-21	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	KR-22
KR-23	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	KR-24
KR-25	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	KR-26
KR-27	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	KR-28
KR-29	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	KR-30
KR-31	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	KR-32
KR-33	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	KR-34
KR-35	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	KR-36
KR-37	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	KR-38
KR-39	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	KR-40
KR-41	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	KR-42
		Total Connected Load:	27.0...		10.2 kVA		7.3 kVA		9.5 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	3.2 kVA	100.00%	3.2 kVA	**Total Conn. Load:**	27.0 kVA
REC -	22.5 kVA	72.22%	16.3 kVA	**Total Est. Demand:**	20.7 kVA
MECHANICAL -	1.3 kVA	100.00%	1.3 kVA	**Total Conn.:**	75 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	57 A

Branch Panel: LA

LOCATION: ELEC 303
SUPPLY FROM: LB
MOUNTING: Surface

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 14 kAIC
MAINS RATING: 100 A
MCB RATING: 100 A
NEUTRAL RATING: 100%

Notes:
*CIRCUIT IS PART OF ADD ALTERNATE FOR SPECIAL EDUCATION WING.

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
LA-1	PANELBOARD CA (VIA TCA)	XFMR SCHEDULE	3	150 A	20.5...	1.9 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - SPECIAL EDUCATON WING*	LA-2
LA-3	--	--	--	--			21.7 kVA	1.8 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	LTG. - AREA 'A' SUPPORT RMs	LA-4
LA-5	--	--	--	--					22.5 kVA	0.0 kVA	20 A	1	--	Spare	LA-6
LA-7	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	LA-8
LA-9	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	LA-10
LA-11	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	LA-12
LA-13	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	LA-14
LA-15	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	LA-16
LA-17	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	LA-18
LA-19	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	LA-20
LA-21	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	LA-22
LA-23	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	LA-24
LA-25	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	LA-26
LA-27	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	LA-28
LA-29	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	LA-30
		Total Connected Load:	68.2...		22.3 kVA		23.4 kVA		22.5 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	0.2 kVA	100.00%	0.2 kVA	**Total Conn. Load:**	68.2 kVA
REC -	64.2 kVA	57.79%	37.1 kVA	**Total Est. Demand:**	41.2 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	**Total Conn.:**	82 A
LTG. -	3.7 kVA	100.00%	3.7 kVA	**Total Est. Demand.:**	49 A

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 06/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
2	7/11/19	Addendum No. 2
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

PANELBOARD SCHEDULES

E703

Branch Panel: MDC

LOCATION: ELEC. 722
SUPPLY FROM: MSB
MOUNTING: Surface

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22 kAIC
MAINS RATING: 250 A
MCB RATING: 175 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
MDC-1	DOAS-1 (AH) - PENTHOUSE 999	(3) #12 + #12GW - 3/4"C	3	15 A	2.8 kVA	5.8 kVA					25 A	3	(3) #10 + #10GW - 3/4"C	VRF-ZONE-1B	MDC-2
MDC-3	--	--	--	--			2.8 kVA	5.8 kVA			--	--	--	--	MDC-4
MDC-5	--	--	--	--					2.8 kVA	5.8 kVA	--	--	--	--	MDC-6
MDC-7	VRF-ZONE-1A	(3) #8 + #10GW - 3/4"C	3	40 A	8.8 kVA	1.7 kVA					15 A	3	(3) #12 + #12GW - 3/4"C	AHU-3 - PARKS & REC STORAGE...	MDC-8
MDC-9	--	--	--	--			8.8 kVA	1.7 kVA			--	--	--	--	MDC-10
MDC-11	--	--	--	--					8.8 kVA	1.7 kVA	--	--	--	--	MDC-12
MDC-13	ACCU-8	(3) #8 + #10GW - 3/4"C	3	40 A	8.0 kVA	5.0 kVA					25 A	1	(2) #10 + #10GW - 3/4"C	CUH-1 - VEST 025	MDC-14
MDC-15	--	--	--	--			8.0 kVA	3.0 kVA			15 A	1	(2) #12 + #12GW - 3/4"C	EUH-2 - CHAIR STORAGE 900A	MDC-16
MDC-17	--	--	--	--					8.0 kVA	3.0 kVA	15 A	1	(2) #12 + #12GW - 3/4"C	EUH-1 - GYM OUTDOOR STORAG...	MDC-18
MDC-19	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	MDC-20
MDC-21	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	MDC-22
MDC-23	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	MDC-24
MDC-25	Space	--	--	--	0.0 kVA	0.0 kVA					20 A	1	--	Spare	MDC-26
MDC-27	Space	--	--	--			0.0 kVA	0.0 kVA			20 A	1	--	Spare	MDC-28
MDC-29	Space	--	--	--					0.0 kVA	0.0 kVA	20 A	1	--	Spare	MDC-30
MDC-31	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	MDC-32
MDC-33	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	MDC-34
MDC-35	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	MDC-36
MDC-37	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	MDC-38
MDC-39	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	MDC-40
MDC-41	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	MDC-42
		Total Connected Load:	92.6...		32.1 kVA		30.2 kVA		30.2 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	0.0 kVA	0.00%	0.0 kVA	**Total Conn. Load:**	92.6 kVA
REC -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand:**	92.6 kVA
MECHANICAL -	92.6 kVA	100.00%	92.6 kVA	**Total Conn.:**	111 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	111 A

Branch Panel: RDA

LOCATION: ELEC. 722
SUPPLY FROM: TCC
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 100 A
MCB RATING: 60 A
NEUTRAL RATING: 100%

Notes:
*GFCI CIRCUIT BREAKER-TYPE

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
RDA-1	VRF-1.04-1.06 - PENTHOUSE 999	(2) #12 + #12GW - 3/4"C	2	15 A	1.5 kVA	0.6 kVA					15 A	2	(2) #12 + #12GW - 3/4"C	VRF-1.07,1.12-1.14	RDA-2
RDA-3	--	--	--	--			1.5 kVA	0.6 kVA			--	--	--	--	RDA-4
RDA-5	VRF-3.16	(2) #12 + #12GW - 3/4"C	2	15 A					0.1 kVA	1.5 kVA	15 A	2	(2) #12 + #12GW - 3/4"C	VRF-1.01-1.03 - PENTHOUSE 999	RDA-6
RDA-7	--	--	--	--	0.1 kVA	1.5 kVA					--	--	--	--	RDA-8
RDA-9	VRF-3.18,3.19	(2) #12 + #12GW - 3/4"C	2	15 A			0.6 kVA	0.4 kVA			15 A	2	(2) #12 + #12GW - 3/4"C	VRF-3.20-3.23	RDA-10
RDA-11	--	--	--	--					0.6 kVA	0.4 kVA	--	--	--	--	RDA-12
RDA-13	VRF-1.22 - PENTHOUSE 999	(2) #12 + #12GW - 3/4"C	2	15 A	0.5 kVA	1.5 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	WH-4 - CUST. 909	RDA-14
RDA-15	--	--	--	--			0.5 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC++ - P&R 914,915	RDA-16
RDA-17	WH-1 - CORR 020A	(2) #12 + #12GW - 3/4"C	1	20 A					1.5 kVA	0.4 kVA	15 A	1	(2) #12 + #12GW - 3/4"C	UH-7 - PENTHOUSE 999	RDA-18
RDA-19															RDA-20
RDA-21															RDA-22
RDA-23															RDA-24
RDA-25															RDA-26
RDA-27															RDA-28
RDA-29															RDA-30
		Total Connected Load:	15.3...		5.9 kVA		4.9 kVA		4.6 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	0.0 kVA	0.00%	0.0 kVA	**Total Conn. Load:**	15.3 kVA
REC -	1.2 kVA	100.00%	1.2 kVA	**Total Est. Demand:**	15.3 kVA
MECHANICAL -	14.1 kVA	100.00%	14.1 kVA	**Total Conn.:**	43 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	43 A

Branch Panel: MD

LOCATION: ELECTRICAL 609
SUPPLY FROM: MSB
MOUNTING: Surface

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22 kAIC
MAINS RATING: 600 A
MCB RATING: 600 A
NEUTRAL RATING: 100%

Notes:
*PROVIDE UNDER ADD ALTERNATE #4

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
MD-1	PANELBOARD RD (VIA TRD)	XFMR SCHEDULE	3	150 A	16.4...	4.2 kVA					20 A	3	(3) #12 + #12GW - 3/4"C	DOAS-3 (AH) - PENTHOUSE E109	MD-2
MD-3	--	--	--	--			15.5 kVA	4.2 kVA			--	--	--	--	MD-4
MD-5	--	--	--	--					17.6 kVA	4.2 kVA	--	--	--	--	MD-6
MD-7	VRF-ZONE-3B	(3) #8 + #10GW - 3/4"C	3	40 A	8.8 kVA	8.8 kVA					40 A	3	(3) #8 + #10GW - 3/4"C	VRF-ZONE-3C	MD-8
MD-9	--	--	--	--			8.8 kVA	8.8 kVA			--	--	--	--	MD-10
MD-11	--	--	--	--					8.8 kVA	8.8 kVA	--	--	--	--	MD-12
MD-13	VRF-ZONE-3A	(3) #8 + #10GW - 3/4"C	3	40 A	10.0...	10.0 kVA					40 A	3	(3) #8 + #10GW - 3/4"C	VRF-ZONE-4*	MD-14
MD-15	--	--	--	--			10.0 kVA	10.0 kVA			--	--	--	--	MD-16
MD-17	--	--	--	--					10.0 kVA	10.0...	--	--	--	--	MD-18
MD-19	ACCU-3	(3) #4 + #8GW - 1"C	3	70 A	16.1...	8.0 kVA					40 A	3	(3) #8 + #10GW - 3/4"C	ACCU-4*	MD-20
MD-21	--	--	--	--			16.1 kVA	8.0 kVA			--	--	--	--	MD-22
MD-23	--	--	--	--					16.1 kVA	8.0 kVA	--	--	--	--	MD-24
MD-25	ACCU-1	(3) #8 + #10GW - 3/4"C	3	40 A	8.0 kVA	5.5 kVA					25 A	3	(3) #10 + #10GW - 3/4"C	AHU-1 - PENTHOUSE 510	MD-26
MD-27	--	--	--	--			8.0 kVA	5.5 kVA			--	--	--	--	MD-28
MD-29	--	--	--	--					8.0 kVA	5.5 kVA	--	--	--	--	MD-30
MD-31	RTU-1	(3) #10 + #10GW - 3/4"C	3	35 A	6.1 kVA	1.6 kVA					20 A	3	(3) #12 + #12GW - 3/4"C	F-28 - PENTHOUSE 999	MD-32
MD-33	--	--	--	--			6.1 kVA	1.6 kVA			--	--	--	--	MD-34
MD-35	--	--	--	--					6.1 kVA	1.6 kVA	--	--	--	--	MD-36
MD-37	DOAS-4A (AH)*	(3) #12 + #12GW - 3/4"C	3	15 A	2.8 kVA	1.6 kVA					20 A	3	(3) #12 + #12GW - 3/4"C	F-27 (ROOF)	MD-38
MD-39	--	--	--	--			2.8 kVA	1.6 kVA			--	--	--	--	MD-40
MD-41	--	--	--	--					2.8 kVA	1.6 kVA	--	--	--	--	MD-42
MD-43	CUH-2 - VEST 017A	(2) #10 + #10GW - 3/4"C	1	25 A	5.0 kVA										MD-44
MD-45															MD-46
MD-47															MD-48
MD-49															MD-50
MD-51															MD-52
MD-53															MD-54
		Total Connected Load:	329.3...		113.0 kVA		107.1 kVA		109.2 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	5.9 kVA	100.00%	5.9 kVA	**Total Conn. Load:**	329.3 kVA
REC -	13.7 kVA	86.50%	11.9 kVA	**Total Est. Demand:**	327.4 kVA
MECHANICAL -	309.7 kVA	100.00%	309.7 kVA	**Total Conn.:**	396 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	394 A

Branch Panel: RA

LOCATION: ELEC 303
SUPPLY FROM: TRA
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 100 A
MCB RATING: 100 A
NEUTRAL RATING: 100%

Notes:
* PROVIDE GFCI CIRCUIT BREAKER
+PROVIDE UNDER ADD ALTERNATE #2

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
RA-1	REFRIG. - INSTRUC. KITCHEN 305	(2) #12 + #12GW - 3/4"C	1	20 A	0.2 kVA	0.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	F-50	RA-2
RA-3	F-42 - PENTHOUSE AREA A (ADD...	(2) #12 + #12GW - 3/4"C	1	20 A			0.5 kVA	0.1 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	F-6,	RA-4
RA-5	REC - INSTRUCTIONAL KITCHEN...	(2) #12 + #12GW - 3/4"C	1	20 A					1.2 kVA	2.5 kVA	50 A	2	(3) #6 + #10GW - 3/4"C	RANGE - INSTRUCT. KITCHEN 305	RA-6
RA-7	WASHER - DAILY LIVING SUITE 306	(2) #12 + #12GW - 3/4"C	1	20 A	0.2 kVA	2.5 kVA					--	--	--	--	RA-8
RA-9	REC - CORR...	(2) #12 + #12GW - 3/4"C	1	20 A			1.2 kVA	0.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	EWC* - CORR 007	RA-10
RA-11	REFRIG - STAFF SUPPORT A113	(2) #12 + #12GW - 3/4"C	1	20 A					0.2 kVA	0.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	VENDING - STAFF SUPPORT A113	RA-12
RA-13	VRF-1.15,1.18-1.21	(2) #12 + #12GW - 3/4"C	2	15 A	0.5 kVA	0.3 kVA					15 A	2	(2) #12 + #12GW - 3/4"C	VRF-6.07-6.12*	RA-14
RA-15	--	--	--	--			0.5 kVA	0.3 kVA			--	--	--	--	RA-16
RA-17	REC - VESTIBULE 001	(2) #12 + #12GW - 3/4"C	1	20 A					1.6 kVA						RA-18
RA-19					0.2 kVA						20 A	1	(2) #12 + #12GW - 3/4"C	EWC*- CORR. 011	RA-20
RA-21	REC - CORR. 011	(2) #12 + #12GW - 3/4"C	1	20 A			0.8 kVA	0.1 kVA			20 A	2	(3) #8 + #10GW - 3/4"C	DRYER - DAILY LIVING SUITE 306	RA-22
RA-23	REC - Room 306, 306A		1	20 A					1.8 kVA	0.1 kVA	--	--	--	--	RA-24
RA-25	F-39, F-40, F-41, F-51	(2) #12 + #12GW - 3/4"C	1	20 A	0.3 kVA	0.4 kVA					15 A	1	(2) #12 + #12GW - 3/4"C	UH-8 - PENTHOUSE A116	RA-26
RA-27	F-5, F-25	(2) #12 + #12GW - 3/4"C	1	20 A			1.1 kVA	0.0 kVA			20 A	1	--	Spare	RA-28
RA-29	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	RA-30
RA-31	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	RA-32
RA-33	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	RA-34
RA-35	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	RA-36
RA-37	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	RA-38
RA-39	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	RA-40
RA-41	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	RA-42
RA-43	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	RA-44
RA-45	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	RA-46
RA-47	VRF-5.03, 5.06+	(2) #12 + #12GW - 3/4"C	2	15 A					1.0 kVA	0.0 kVA	--	--	--	Space	RA-48
RA-49	--	--	--	--	1.0 kVA	0.0 kVA					--	--	--	Space	RA-50
RA-51	VRF-5.01, 5.02+	(2) #12 + #12GW - 3/4"C	2	15 A			1.0 kVA	1.0 kVA			15 A	2	(2) #12 + #12GW - 3/4"C	VRF-5.04, 5.05+	RA-52
RA-53	--	--	--	--					1.0 kVA	1.0 kVA	--	--	--	--	RA-54
		Total Connected Load:	23.1...		5.6 kVA		6.8 kVA		10.6 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	0.6 kVA	100.00%	0.6 kVA	**Total Conn. Load:**	23.1 kVA
REC -	13.0 kVA	88.52%	11.5 kVA	**Total Est. Demand:**	21.6 kVA
MECHANICAL -	9.5 kVA	100.00%	9.5 kVA	**Total Conn.:**	64 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	60 A

Branch Panel: RB

LOCATION: M/E 310
SUPPLY FROM: TRB
MOUNTING: Surface

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10 kAIC
MAINS RATING: 225 A
MCB RATING: 225 A
NEUTRAL RATING: 100%

Notes:
* PROVIDE GFCI CIRCUIT BREAKER
+PROVIDE UNDER ADD ALTERNATE #5

CKT	CIRCUIT	WIRE SIZE	P	CB	A		B		C		CB	P	WIRE SIZE	CIRCUIT	CKT
RB-1	MICROWAVE - C105	(2) #12 + #12GW - 3/4"C	1	20 A	1.0 kVA	1.0 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REFRIG - SHARED LEARNING C105	RB-2
RB-3	EWC* - SHARED LEARNING C105	(2) #12 + #12GW - 3/4"C	1	20 A			1.0 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	REC -...	RB-4
RB-5	REC - 014,C104A,C104B	(2) #12 + #12GW - 3/4"C	1	20 A					1.0 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"C	REC - C102A,C102B,C103A,C103B	RB-6
RB-7	VRF-2.02,2.03 - PENTHOUSE B109	(2) #12 + #12GW - 3/4"C	2	15 A	1.0 kVA	0.7 kVA					20 A	2	(2) #12 + #12GW - 3/4"C	VRF-2.01 - PENTHOUSE B109	RB-8
RB-9	--	--	--	--			1.0 kVA	0.7 kVA			--	--	--	--	RB-10
RB-11	VRF-2.07,2.08,2.10 - PENTHOUSE...	(2) #12 + #12GW - 3/4"C	2	15 A					1.7 kVA	1.5 kVA	15 A	2	(2) #12 + #12GW - 3/4"C	VRF-2.04-2.06 - PENTHOUSE B109	RB-12
RB-13	--	--	--	--	1.7 kVA	1.5 kVA					--	--	--	--	RB-14
RB-15	VRF-2.09 - PENTHOUSE B109	(2) #12 + #12GW - 3/4"C	2	15 A			0.9 kVA	0.9 kVA			15 A	2	(2) #12 + #12GW - 3/4"C	VRF-2.11 - M/E 310	RB-16
RB-17	--	--	--	--					0.9 kVA	0.9 kVA	--	--	--	--	RB-18
RB-19	VRF-2.12,2.13	(2) #12 + #12GW - 3/4"C	2	15 A	0.7 kVA	0.3 kVA					15 A	2	(2) #12 + #12GW - 3/4"C	VRF-2.14,2.15	RB-20
RB-21	--	--	--	--			0.7 kVA	0.3 kVA			--	--	--	--	RB-22
RB-23	VRF-2.16,2.17	(2) #12 + #12GW - 3/4"C	2	15 A					0.4 kVA	1.5 kVA	15 A	2	(2) #12 + #12GW - 3/4"C	VRF-5.01,5.04,5.05+	RB-24
RB-25	--	--	--	--	0.4 kVA	1.5 kVA					--	--	--	--	RB-26
RB-27	VRF-5.02,5.03+	(2) #12 + #12GW - 3/4"C	2	15 A			1.0 kVA	0.5 kVA			20 A	2	(2) #12 + #12GW - 3/4"C	VRF-5.06+	RB-28
RB-29	--	--	--	--					1.0 kVA	0.5 kVA	--	--	--	--	RB-30
RB-31	VRF-5.07+	(2) #12 + #12GW - 3/4"C	2	20 A	0.2 kVA	0.6 kVA					20 A	1	(2) #12 + #12GW - 3/4"C	REC - GREENHOUSE 900	RB-32
RB-33	--	--	--	--			0.2 kVA	1.5 kVA			20 A	1	(2) #12 + #12GW - 3/4"C	WH-2 - CUST 312	RB-34
RB-35	REC - Room C101, 404, 013		1	20 A					1.0 kVA	4.5 kVA	70 A	3	(4) #4 + #8GW - 1-1/4"C	PANELBOARD PL	RB-36
RB-37	F-34 - PENTHOUSE B109	(2) #12 + #12GW - 3/4"C	1	20 A	0.5 kVA	6.3 kVA					--	--	--	--	RB-38
RB-39	F-7, F-8, F-9, F-10, F-11, F-12	(2) #12 + #12GW - 3/4"C	1	20 A			0.4 kVA	4.3 kVA			--	--	--	--	RB-40
RB-41	F-13, F-14	(2) #12 + #12GW - 3/4"C	1	20 A					0.1 kVA	0.4 kVA	15 A	1	(2) #12 + #12GW - 3/4"C	UH-4 - PENTHOUSE B109	RB-42
RB-43	WH-3 - CUST. 702	(2) #12 + #12GW - 3/4"C	1	20 A	1.5 kVA	0.0 kVA					20 A	1	--	Spare	RB-44
RB-45	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	RB-46
RB-47	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	RB-48
RB-49	Spare	--	1	20 A	0.0 kVA	0.0 kVA					20 A	1	--	Spare	RB-50
RB-51	Spare	--	1	20 A			0.0 kVA	0.0 kVA			20 A	1	--	Spare	RB-52
RB-53	Spare	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	Spare	RB-54
RB-55	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	RB-56
RB-57	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	RB-58
RB-59	Space	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	RB-60
RB-61	Space	--	--	--	0.0 kVA	0.0 kVA					--	--	--	Space	RB-62
RB-63	Space	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	RB-64
RB-65	WASHER - LAUNDRY 404	(2) #12 + #12GW - 3/4"C	1	20 A					0.2 kVA	0.0 kVA	--	--	--	Space	RB-66
RB-67	DRYER - LAUNDRY 404	(4) #4 + #8GW - 1-1/4"C	3	70 A	22.0...	0.0 kVA					--	--	--	Space	RB-68
RB-69	--	--	--	--			0.0 kVA	0.0 kVA			--	--	--	Space	RB-70
RB-71	--	--	--	--					0.0 kVA	0.0 kVA	--	--	--	Space	RB-72
		Total Connected Load:	72.5...		41.0 kVA		14.6 kVA		16.9 kVA						

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS	
EQUIPMENT -	15.5 kVA	100.00%	15.5 kVA	**Total Conn. Load:**	72.5 kVA
REC -	11.0 kVA	95.45%	10.5 kVA	**Total Est. Demand:**	72.0 kVA
MECHANICAL -	23.9 kVA	100.00%	23.9 kVA	**Total Conn.:**	201 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	**Total Est. Demand.:**	200 A

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 09/30/2020

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
556 WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

BID SET
FCPS BID #19C14

ISSUE

REV	DATE	DESCRIPTION
2	7/11/19	Addendum No. 2
4	7/24/19	Addendum No. 4
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

PANELBOARD SCHEDULES

E705

DRAWING NOTES:

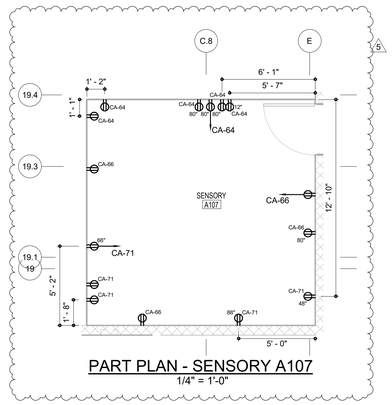
1. TYPE 'SW' LUMINAIRE PROVIDE UNDER BASE BID.

GENERAL NOTES:

1. CONNECT ALL BUILDING EXIT SIGNAGE TO CIRCUIT E1LD-16.

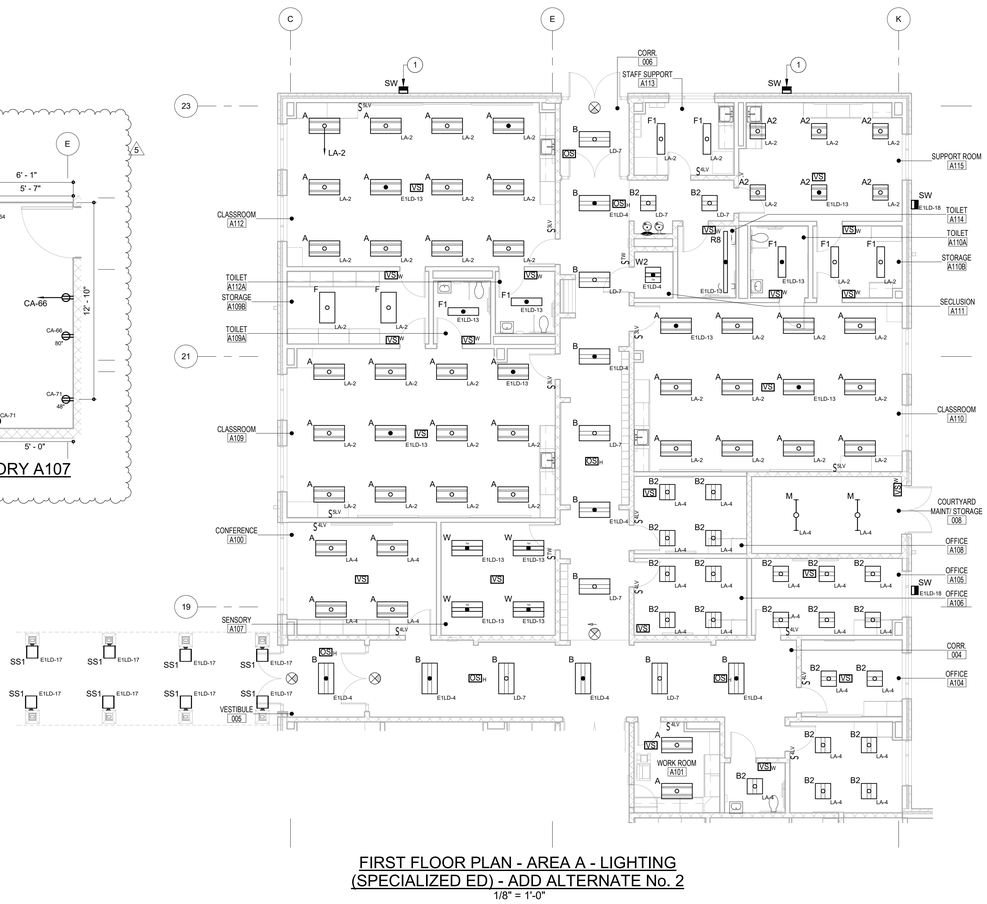
FIRST FLOOR PLAN - AREA A - FIRE ALARM (SPECIALIZED ED) - ADD ALTERNATE No. 2

1/8" = 1'-0"



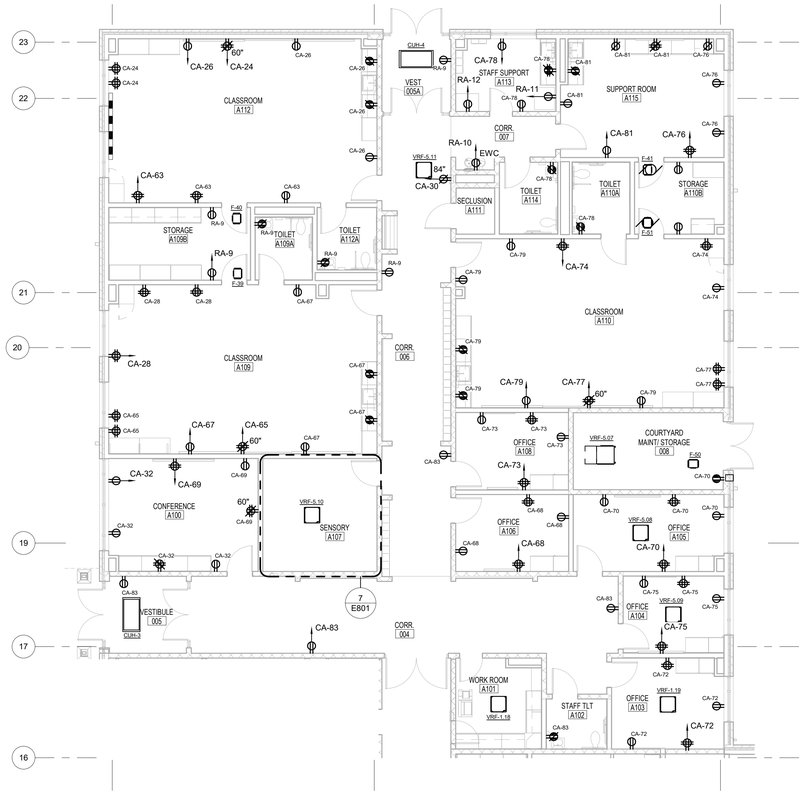
PART PLAN - SENSORY A107

1/4" = 1'-0"



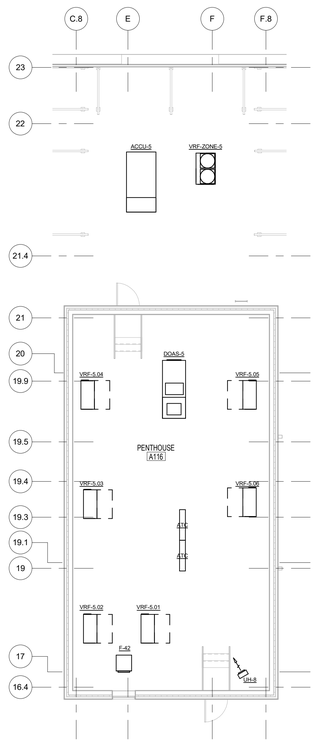
FIRST FLOOR PLAN - AREA A - LIGHTING (SPECIALIZED ED) - ADD ALTERNATE No. 2

1/8" = 1'-0"



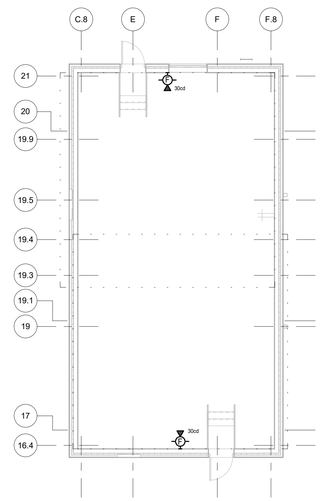
FIRST FLOOR PLAN - AREA A - POWER (SPECIALIZED ED) - ADD ALTERNATE No. 2

1/8" = 1'-0"



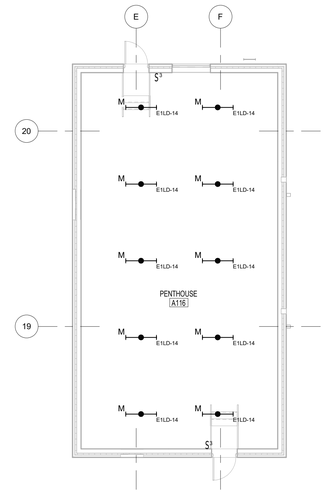
PART PLAN - PENTHOUSE (SPECIALIZED ED) - ADD ALTERNATE No. 2

1/8" = 1'-0"



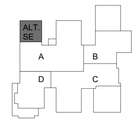
PART PLAN - PENTHOUSE - FIRE ALARM (SPECIALIZED ED) - ADD ALTERNATE No. 2

1/8" = 1'-0"



PART PLAN - PENTHOUSE - LIGHTING (SPECIALIZED ED) - ADD ALTERNATE No. 2

1/8" = 1'-0"



KEY PLAN

8' 4' 0' 8'

SCALE : 1/8" = 1'-0"

SCALE : 1/4" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 08/03/2020

SEAL

BID SET
FCPS BID #19C14

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 2017171.00
DATE: 07-01-2019

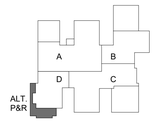
ADD ALTERNATE No. 2 - SPECIALIZED ED

E801

GENERAL NOTES:

5

1. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. EXCEPT WHERE LOCATED IN PRIVATE OFFICE,KITCHEN,STORAGE, MECHANICAL/ELECTRICAL ROOMS AND RECEPTION AREAS.
2. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON DWG. E706 FOR ADDITIONAL INFORMATION.
3. REFER TO TELECOMMUNICATION DRAWINGS FOR COORDINATION BETWEEN POWER AND DATA BOXES.
4. REFER TO BASE BID DRAWINGS FOR INFORMATION/POWER REQUIREMENTS FOR DIVIDER CURTAIN AND SIX (6) MOTORIZED BACKBOARDS.



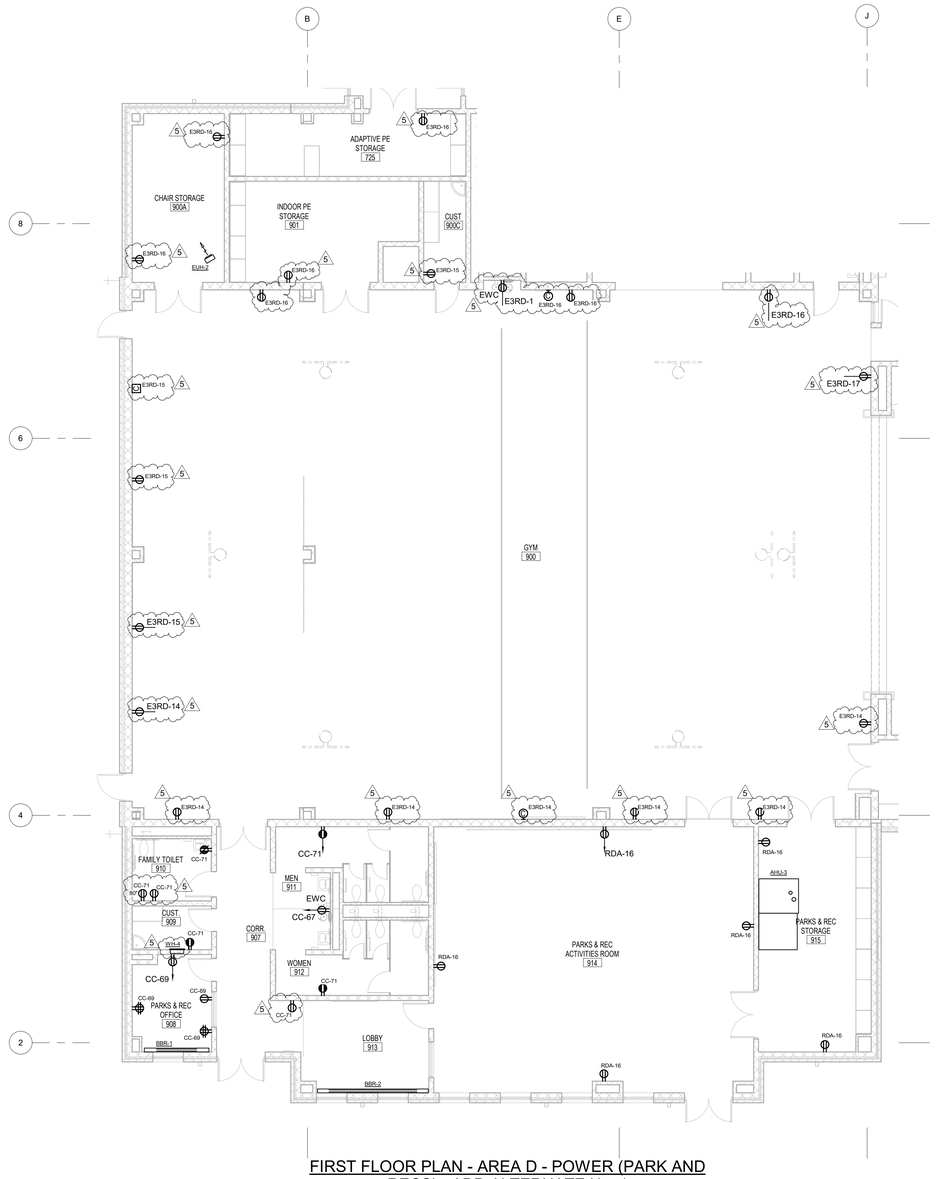
KEY PLAN

8' 4' 0' 8'

SCALE : 1/8" = 1'-0"

ROOF PLAN - POWER (PARK AND RECS) - ADD ALTERNATE No. 1

1/16" = 1'-0"



FIRST FLOOR PLAN - AREA D - POWER (PARK AND RECS) - ADD ALTERNATE No. 1

1/8" = 1'-0"

Proffitt & Assoc. ARCHITECTS
49 SOUTH CARROLL STREET
FREDERICK, MARYLAND 21701
PHONE (301) 662-8532
FAX (301) 662-4192
info@proffittandassociates.com

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING
312 W MAIN ST., SUITE 300
SALISBURY, MARYLAND 21801
PHONE (410) 564-9100
FAX (410) 546-5824
info@beckermorgan.com

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE
SUITE 450
HUNT VALLEY, MD 21030
PHONE (410) 842-6411
www.albanengineering.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 45531
EXPIRATION DATE 08/03/2020

SEAL

NEW FACILITY FOR:
ROCK CREEK SCHOOL
FREDRICK COUNTY PUBLIC SCHOOLS
55B WEST FREDERICK STREET
WALKERSVILLE, MARYLAND 21793

BID SET
FCPS BID #19C14

©COPYRIGHT 2019 PROFFITT & ASSOCIATES ARCHITECTS

ISSUE

REV	DATE	DESCRIPTION
5	7/30/19	Addendum No. 5

PROJECT NO.: 20171171.00
DATE: 07-01-2019

ADD ALTERNATE No. 1 - PARKS AND REC

E805

The following is a listing of Contract Packages for use on the **Frederick County Public School's Rock Creek School**, along with references to the Architect's Specification Sections. Contractors will be responsible for the work contained in the referenced Specification Sections; however, the Contractor's work will not necessarily be limited to the sections referenced. All Contractors shall comply with the requirements of all Sections of **Division 00 Contract Requirements, and Division 01 General Requirements**, in their entirety.

Contract Package	**Specification Reference**	
02A – Earthwork	Division 00	In its entirety
	Division 01	In its entirety
	024119	Selective Demolition
	033000	Cast-In-Place Concrete as applicable
	107516	Ground-Set Flagpoles for coordination
	107316.13	Metal Canopies for coordination
	107326.13	Metal Walkway Covers for coordination
	116823	Exterior Court Athletic Equipment
	Division 13	For coordination
	Division 21	For coordination
	Division 22	For coordination
	Division 23	For coordination
	Division 26	For coordination
	Division 27	For coordination
	Division 28	For coordination
	311000	Clearing
	312000	Earth Moving - Civil
	312005	Building Earthwork
	313116	Termite Control
	315000	Excavation Support and Protection
	321216	Hot-Mixed Asphalt Paving
	321220	Road and Parking Accessories
	321313	Concrete Paving
	321315	Concrete Curbing
	323000	Site Furnishings
	323010	***Exterior***[5] Modular Playground Equipment
	323020	***Courtyard Furnishings, Play Equipment, & Shade Structures*** [3]
	323030	***Courtyard Playground Protective Surfacing*** [3]
	323113	Chain Link Fences and Gates
	~~***323223***~~	~~***Segmental Retaining Walls***[5]~~
	329000	Tree Conservation
	329305	Topsoiling, Seeding, and Sodding
	329500	Trees, Shrubs, and Ground Covers
	331000	Utility Standards
	331005	Water Distribution System
	333000	Sanitary Sewerage
	334100	Storm Drainage

Contract Package	**Specification Reference**	
03A – Building Concrete	Division 00	In its entirety
	Division 01	In its entirety
	031100	Concrete Forming
	031500	Concrete Accessories
	032000	Concrete Reinforcement
	033000	Cast-In-Place Concrete
	042000	Unit Masonry for coordination
	047200	Cast Stone Masonry for coordination
	047300	Manufactured Stone Masonry for coordination
	051200	Structural Steel Framing for coordination
	054000	Cold-Formed Metal Framing for coordination
	055000	Metal Fabrications for coordination
	071113	Bituminous Damproofing as applicable

071326	Self Adhering Sheet Waterproofing as applicable
071416	Cold-Fluid Applied Waterproofing as applicable
072100	Thermal Insulation as applicable
072600	Vapor Retarders as applicable
078100	Applied Fireproofing for coordination
078413	Penetration Firestopping for coordination
078443	Joint Firestopping for coordination
079200	Joint Sealants for as applicable and for coordination
083113	Access Doors and Frames for coordination
092216	Non-Structural Metal framing for coordination
093000	Tiling for coordination
096513	Resilient Base and Accessories for coordination
096519	Resilient Tile Flooring for coordination
096623	Resinous Matrix Terrazzo for coordination
096700	Athletic Flooring for coordination
096723.01	Epoxy Resinous Flooring for coordination
096723.02	Urethane Resinous Flooring for coordination
099000	Painting and Coating for coordination
105126	Plastic Lockers for coordination
107326.13	Metal Walkway Covers for coordination
114000	Food Service Equipment for coordination
124823	Entrance Floor Grids for coordination
Division 13	For coordination
Division 21	For coordination
Division 22	As applicable and for coordination
Division 23	For coordination
Division 26	For coordination
Division 27	For coordination
Division 28	For coordination
Division 31	As applicable and for coordination
Division 32	For coordination
Division 33	For coordination

Contract Package	**Specification Reference**
04A – Masonry	
Division 00	In its entirety
Division 01	In its entirety
033000	Cast-In-Place Concrete for coordination
042000	Unit Masonry
047200	Cast Stone Masonry
047300	Manufactured Stone Masonry
051200	Structural Steel Framing for coordination
052100	Steel Joist Framing for coordination
055000	Metal Fabrications for coordination
061000	Rough Carpentry for coordination
071113	Bituminous Damproofing as applicable
071326	Self Adhering Sheet Waterproofing as applicable
071416	Cold-Fluid Applied Waterproofing as applicable
072100	Thermal Insulation as applicable
072726	Fluid-Applied Membrane Air Barriers
072736	Sprayed Foam Air Barrier
078413	Penetration Firestopping as applicable and for coordination
078443	Joint Firestopping as applicable at masonry and for coordination
079100	Preformed Joint Seals
079200	Joint Sealants as applicable
079219	Acoustical Joint Sealants as applicable and for coordination
079513.13	Interior Expansion Joint Cover Assemblies for coordination

081113	Hollow Metal Doors and Frames for coordination
083313	Coiling Counter Doors for coordination
083323	Overhead Coiling Doors for coordination
083453	Security Doors and Frames for coordination
084113	Aluminum-Framed Entrances and Storefronts for coordination
084113.13	Fire-Rated Aluminum-Framed Entrances and Storefronts for coordination
084413	Glazed Aluminum Curtainwalls for coordination
084523	Fiberglass-Sandwich-Panel Assemblies for coordination
089119	Fixed Louvers for coordination
092216	Non Structural Metal Framing for coordination
093000	Tiling for coordination
097200	Wall Coverings for coordination
098433	Modular Metal Sound-Absorbing Wall Panels for coordination
098436	Sound-Absorbing Wall Units for coordination
099000	Painting and Coating for coordination
101100	Visual Display Units for coordination
101200	Display Cases for coordination
102113.19	Plastic Toilet Compartments for coordination
104413	Fire Protection Cabinets for coordination
105126	Plastic Lockers for coordination
107326.13	Metal Walkway Covers for coordination
116653	Gymnasium Dividers for coordination
122413	Roller Window Shades for coordination
123216	Manufactured Casework for coordination
123550	Media Center Casework for coordination
Division 13	For coordination
Division 21	For coordination
Division 22	For coordination
Division 23	For coordination
Division 26	For coordination
Division 27	For coordination
Division 28	For coordination
Division 31	For coordination
Division 32	For coordination
Division 33	For coordination

Contract Package	**Specification Reference**
05A – Steel	
Division 00	In its entirety
Division 01	In its entirety
033000	Cast-In-Place Concrete
042000	Unit Masonry for coordination
047200	Cast Stone Masonry for coordination
047300	Manufactured Stone Masonry for coordination
051200	Structural Steel Framing
052100	Steel Joist Framing
053114	Steel Floor Centering
053123	Steel Roof Decking
054000	Cold Formed Metal Framing for coordination
055000	Metal Fabrications
055119	Metal Stairs
055213	Pipe and Tube Railings
061053	Miscellaneous Rough Carpentry for coordination
077100	Roof Specialties for coordination
077129	Manufactured Roof Expansion Joints for coordination
077200	Roof Accessories for coordination
078100	Applied Fireproofing for coordination

078413	Penetration Firestopping for coordination
078443	Joint Firestopping for coordination
079100	Preformed Joint Seals for coordination
079200	Joint Sealants as applicable
079219	Acoustical Joint Sealants as applicable and for coordination
079513.13	Interior Expansion Joint Cover Assemblies for coordination
083313	Coiling Counter Doors for coordination
083323	Overhead Coiling Doors for coordination
084113	Aluminum-Framed Entrances and Storefronts for coordination
084113.13	Fire-Rated Aluminum-Framed Entrances and Storefronts for coordination
084413	Glazed Aluminum Curtainwalls for coordination
084523	Fiberglass-Sandwich-Panel Assemblies for coordination
089119	Fixed Louvers for coordination
092216	Non-Structural Metal Framing for coordination
099000	Painting and Coating for coordination
101100	Visual Display Units for coordination
101200	Display Cases for coordination
102113.19	Plastic Toilet Compartments for coordination
104413	Fire Protection Cabinets for coordination
105126	Plastic Lockers for coordination
107326.13	Metal Walkway Covers
115213.19	Rear Projection Screens for coordination
116143	Stage Curtains for coordination
116623	Gymnasium Equipment for coordination
116653	Gymnasium Dividers for coordination
117300	Patient Care Equipment for coordination
Division 13	For coordination
Division 21	For coordination
Division 22	For coordination
Division 23	For coordination
Division 26	For coordination
Division 27	For coordination
Division 28	For coordination
Division 31	For coordination
Division 32	For coordination
Division 33	For coordination

Contract Package	**Specification Reference**	
06A- General Trades Package	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	047200	Cast Stone Masonry for coordination
	047300	Manufactured Stone Masonry for coordination
	051200	Structural Steel Framing for coordination
	052100	Steel Joists for coordination
	054000	Cold Formed Metal Framing for coordination
	055000	Metal Fabrications as applicable and for coordination
	061053	Miscellaneous Rough Carpentry
	062000	Finish Carpentry
	072100	Thermal Insulation as applicable and for coordination
	077100	Roof Specialties for coordination
	077129	Manufactured Roof Expansion Joints for coordination

078413	Penetration Firestopping as applicable
078443	Joint Firestopping for coordination
079200	Joint Sealants as applicable
079513.13	Interior Expansion Joint Cover Assemblies
081113	Hollow Metal Doors and Frames
081416	Flush Wood Doors
081613	Fiberglass Doors
083313	Coiling Counter Doors
083323	Overhead Coiling Doors
083453	Security Doors and Frames as applicable and for coordination
083473.13	Metal Sound Control Door Assemblies
084113	Aluminum-Framed Entrances and Storefronts for coordination
084413	Glazed Aluminum Curtainwalls for coordination
087100	Door Hardware
088000	Glazing for coordination
092216	Non-Structural Metal Framing for coordination
096623	Resinous Matrix Terrazzo (Add Alternate #6)
~~***097200***~~	~~***Wall Coverings***~~[3]
101100	Visual Display Units
101200	Display Cases
101416	Plaques
101423	Panel Signage
101463	Electronic Message Signage
102113.19	Plastic Toilet Compartments
102123	Cubicle Curtains and Track
102600	Wall and Door Protection
102800	Toilet, Bath, and Laundry Accessories
104313	Defibrillator Cabinets
104413	Fire Protection Cabinets
104416	Fire Extinguishers
105113	Metal Lockers
105126	Plastic Lockers
105153	Locker Room Benches
105613	Metal Storage Shelving
107516	Ground-Set Flagpoles
111313	Loading Dock Bumpers
112173	Commercial Laundry and Dry Cleaning Equipment
112800	Office Equipment
113013	Residential Appliances
115213.19	Rear Projection Screens
116143	Stage Curtains
116613	Exercise Equipment
116623	Gymnasium Equipment
116653	Gymnasium Dividers
117300	Patient Care Equipment
119513	Kilns
122413	Window Roller Shades Systems
123216	Manufactured Casework
123550	Media Center Casework
123600	Countertops
133413.13	Greenhouses
Division 13	For coordination
Division 21	For coordination
Division 22	For coordination
Division 23	For coordination
Division 26	For coordination
Division 27	For coordination
Division 28	For coordination

Contract Package	Specification Reference	
07A-Roofing	Division 00	In its entirety
	Division 01	In its entirety
	042000	Unit Masonry for coordination
	052100	Steel Joists for coordination
	053123	Steel Decking for coordination
	054000	Cold Formed Metal Framing as applicable and for coordination
	055000	Metal Fabrications for coordination
	061053	Miscellaneous Rough Carpentry for coordination
	072100	Thermal Insulation as applicable
	072600	Vapor Retarders as applicable
	074213.13	Formed Metal Wall Panels
	074213.19	Insulated Metal Wall Panels
	074293	Soffit Panels
	075113	Built-up Asphalt Roofing
	076200	Sheet Metal Flashing and Trim
	077100	Roof Specialties
	077129	Manufactured Roof Expansion Joints
	077200	Roof Accessories as applicable and for coordination
	079200	Joint Sealants for coordination
	092216	Non-Structural Metal Framing for coordination
	108213	Exterior Grilles and Screens
	Division 21	For coordination
	Division 22	For coordination
	Division 23	For coordination
	Division 26	For coordination
	Division 27	For coordination
	Division 28	For coordination

Contract Package	Specification Reference	
08A-Glass and Aluminum	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	047200	Cast Stone Masonry for coordination
	047300	Manufactured Stone Masonry for coordination
	051200	Structural Steel Framing as applicable and for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	054000	Cold Formed Metal Framing for coordination
	061053	Miscellaneous Rough Carpentry for coordination
	078413	Penetration Firestopping as applicable
	078443	Joint Firestopping as applicable at aluminum
	079100	Preformed Joint Seals as applicable
	079200	Joint Sealants as applicable
	079513.13	Interior Expansion Joint Cover Assemblies for coordination
	081113	Hollow Metal Doors and Frames for coordination
	081416	Flush Wood Doors for coordination
	081613	Fiberglass Doors for coordination
	083453	Security Doors and Frames
	083513	Folding Doors
	084113	Aluminum-Framed Entrances and Storefronts
	084113.13	Fire-Rated Aluminum-Framed Entrances and Storefronts
	084413	Glazed Aluminum Curtainwalls
	084523	Fiberglass-Sandwich-Panel Assemblies

087100	Door Hardware as applicable and for coordination
087113	Automatic Door Operators
088000	Glazing
088113	Decorative Glass Glazing
088300	Mirrors
088813	Fire-Resistive Glazing
088856	Ballistics-Resistant Glazing
089119	Fixed Louvers as applicable and for coordination
092216	Non-Structural Metal Framing for coordination
Division 21	For coordination
Division 22	For coordination
Division 23	For coordination
Division 26	For coordination
Division 27	For coordination
Division 28	For coordination

Contract Package	**Specification Reference**	
09A-Drywall	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	047200	Cast Stone Masonry for coordination
	047300	Manufactured Stone Masonry for coordination
	051200	Structural Steel Framing as applicable and for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	054000	Cold Formed Metal Framing
	062614	Mineral Profile Paneling
	072100	Thermal Insulation as applicable
	077129	Manufactured Roof Expansion Joints for coordination
	077200	Roof Accessories for coordination
	078413	Penetration Firestopping as applicable
	078443	Joint Firestopping as applicable at drywall
	079200	Joint Sealants as applicable
	079219	Acoustical Joint Sealants
	081113	Hollow Metal Doors and Frames for coordination
	083313	Coiling Counter Doors for coordination
	083323	Overhead Coiling Doors for coordination
	083453	Security Doors and Frames for coordination
	084113	Aluminum-Framed Entrances and Storefronts for coordination
	084113.13	Fire-Rated Aluminum-Framed Entrances and Storefronts for coordination
	084413	Glazed Aluminum Curtainwalls for coordination
	084523	Fiberglass-Sandwich-Panel Assemblies for coordination
	089119	Fixed Louvers for coordination
	092216	Non-Structural Metal Framing
	092900	Gypsum Board
	095113	Acoustical Ceilings
	097200	Wall Coverings (for coordination)
	098433	Modular Metal Sound-Absorbing Wall Panels
	098436	Sound-Absorbing Wall Units
	099000	Painting and Coating for coordination
	101100	Visual Display Units for coordination
	101200	Display Cases for coordination
	102113.19	Plastic Toilet Compartments for coordination

102123	Cubicle Curtains and Track for coordination
102600	Wall and Door Protection for coordination
102800	Toilet, Bath and Laundry Accessories for coordination
104413	Fire Protection Cabinets for coordination
115213.19	Rear Projection Screens for coordination
116623	Gymnasium Equipment for coordination
116653	Gymnasium Dividers for coordination
122413	Window Roller Shade Systems for coordination
Division 13	For coordination
Division 21	For coordination
Division 22	For coordination
Division 23	For coordination
Division 26	For coordination
Division 27	For coordination
Division 28	For coordination

Contract Package	**Specification Reference**
09B- Tiling	
Division 00	In its entirety
Division 01	In its entirety
033000	Cast-In-Place Concrete for coordination
042000	Unit Masonry for coordination
079200	Joint Sealants as applicable
079513.13	Interior Expansion Joint Cover Assemblies for coordination
092900	Gypsum Board for coordination
093000	Tiling
102800	Toilet, Bath and Laundry Accessories for coordination
104413	Fire Protection Cabinets for coordination
105126	Plastic Lockers for coordination
114000	Food Service Equipment for coordination
Division 13	For coordination

Contract Package	**Specification Reference**
09C- Resilient Flooring	
Division 00	In its entirety
Division 01	In its entirety
033000	Cast-In-Place Concrete for coordination
079200	Joint Sealants as applicable
079513.13	Interior Expansion Joint Cover Assemblies for coordination
096513	Resilient Base and Accessories
096519	Resilient Vinyl Composition Floor Tile
124823	Entrance Floor Grids

Contract Package	**Specification Reference**
09D- Athletic Flooring	
Division 00	In its entirety
Division 01	In its entirety
033000	Cast-In-Place Concrete for coordination
079200	Joint Sealants as applicable
096513	Resilient Base and Accessories as applicable
096566	Resilient Athletic Flooring
096723.01	Epoxy Resinous Flooring for coordination
096766	Fluid Applied Athletic Flooring
116623	Gymnasium Equipment for coordination
116653	Gymnasium Dividers for coordination

Contract Package	**Specification Reference**
09E- Resinous Flooring	
Division 00	In its entirety
Division 01	In its entirety

033000	Cast in place Concrete for coordination
042000	Unit Masonry for coordination
079200	Joint Sealants as applicable
079513.13	Interior Expansion Joint Cover Assemblies for coordination
092900	Gypsum Board for coordination
096723.01	Epoxy Resinous Flooring
096723.02	Urethane Resinous Flooring

Contract Package	**Specification Reference**	
09F- Painting & Coatings	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete as applicable and for coordination
	042000	Unit Masonry for coordination
	051200	Structural Steel Framing for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	055000	Metal Fabrications for coordination
	079200	Joint Sealants as applicable
	081113	Hollow Metal Doors and Frames for coordination
	081416	Flush Wood Doors for coordination
	081613	Fiberglass Doors for coordination
	092900	Gypsum Board for coordination
	097200	***Wall Coverings[3]***
	099000	Painting and Coating
	Division 13	As applicable and for coordination
	Division 21	As applicable and for coordination
	Division 22	As applicable and for coordination
	Division 23	As applicable and for coordination
	Division 26	As applicable and for coordination
	Division 27	As applicable and for coordination
	Division 28	As applicable and for coordination

Contract Package	**Specification Reference**	
11A – Food Service Equipment	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	051200	Structural Steel Framing for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	054000	Cold Formed Metal Framing for coordination
	072100	Thermal Insulation as applicable
	077200	Roof Accessories as applicable
	078413	Penetration Firestopping as applicable
	078443	Joint Firestopping as applicable
	079200	Joint Sealants as applicable
	083313	Coiling Counter Doors for coordination
	093000	Tiling for coordination
	096723.02	Urethane Resinous Flooring for coordination
	114000	Food Service Equipment
	211313	Wet Pipe Sprinkler System for coordination
	Division 13	For coordination
	Division 22	For coordination
	Division 23	For coordination
	Division 26	For coordination
	Division 27	For coordination
	Division 28	For coordination

Contract Package	Specification Reference	
13A – Pool	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	051200	Structural Steel Framing for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	054000	Cold Formed Metal Framing for coordination
	072100	Thermal Insulation as applicable
	079200	Joint Sealants as applicable
	131100	Swimming Pool – General
	131110	Pool Shell Construction
	131120	Recirculation System
	131130	Swimming Pool Filtration System
	131140	Water Chemistry
	131150	Deck Equipment
	Division 21	For coordination
	Division 22	For coordination
	Division 23	For coordination
	Division 26	For coordination
	Division 27	For coordination
	Division 28	For coordination
	Division 31	As applicable

Contract Package	Specification Reference	
15A – Mechanical	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	047200	Cast Stone Masonry for coordination
	047300	Manufactured Stone Masonry for coordination
	051200	Structural Steel Framing for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	054000	Cold Formed Metal Framing for coordination
	055000	Metal Fabrications for coordination
	061053	Miscellaneous Rough Carpentry for coordination
	072600	Vapor Retarders as applicable and for coordination
	072726	Fluid-Applied Membrane Air Barriers for coordination
	072736	Sprayed Foam Air Barrier for coordination
	074213.13	Formed Metal Wall Panels for coordination
	075113	Built-up Asphalt Roofing for coordination
	076200	Sheet Metal Flashing and Trim for coordination
	077100	Roof Specialties for coordination
	077200	Roof Accessories as applicable and for coordination
	078413	Penetration Firestopping as applicable
	078443	Joint Firestopping as applicable at penetrations
	079200	Joint Sealants as applicable
	083113	Access Doors and Frames as applicable
	089119	Fixed Louvers
	093000	Tiling for coordination
	096723.01	Epoxy Resinous Flooring for coordination
	096723.02	Urethane Resinous Flooring for coordination
	102113.19	Plastic Toilet Compartments for coordination
	102800	Toilet, Bath and Laundry Accessories for coordination

112173	Commercial Laundry and Dry Cleaning Equipment as applicable and for coordination
113013	Residential Appliances as applicable and for coordination
114000	Food Service Equipment for coordination
116623	Gymnasium Equipment for coordination
116653	Gymnasium Dividers for coordination
119513	Kilns as applicable and for coordination
123216	Manufactured Plastic Laminate Faced Casework for coordination
123550	Media Center Casework for coordination
Division 13	As applicable and for coordination
Division 21	As applicable and for coordination
220500	Common Work Results for Plumbing
220513	Common Motor Requirements for Plumbing Equipment
220519	Meters and Gages for Plumbing Piping
220523	General-Duty Valves for Plumbing Piping
220529	Hangers and Supports for Plumbing Piping and Equipment
220533	Heat Tracing for Plumbing Piping
220548	Vibration and Seismic Controls for Plumbing Piping and Equipment
220553	Identification for Plumbing Piping and Equipment
220700	Plumbing Insulation
221116	Domestic Water Piping
221119	Domestic Water Piping Specialties
221316	Sanitary Waste and Vent Piping
221319	Sanitary Waste Piping Specialties
221413	Facility Storm Drainage Piping
221423	Storm Drainage Piping Specialties
221429	Sump Pumps
223400	Fuel-Fired Domestic Water Heaters
224000	Plumbing Fixtures
224500	Emergency Plumbing Fixtures
224700	Water Coolers
226323	Facility Natural Gas Piping
230500	Common Work Results for HVAC
230513	Common Motor Requirements for HVAC Equipment
230529	Hangers and Supports for HVAC Piping and Equipment
230548	Vibration and Seismic Controls for HVAC Piping and Equipment
230553	Identification for HVAC Piping and Equipment
230593	Testing, Adjusting and Balancing for HVAC
230700	HVAC Insulation
230800	Mechanical System Commissioning
230859	Instrumentation and Control System Commissioning
230900	Instrumentation and Control for HVAC
232300	Refrigerant Piping
233113	Metal Ducts
233300	Air Duct Accessories
233423	HVAC Power Ventilators
233713	Diffusers, Registers, and Grilles
233723	HVAC Gravity Ventilators
237333	Outdoor Indirect-Fuel-Fired Heating and Ventilating Units
237413	Packaged Outdoor Central Station Air Handling

	Units
237433	Dedicated Outdoor Air Units
238126	Split-System Air-Conditioners
238129	Variable-Refrigerant-Flow HVAC Systems
238236	Finned Tube Radiation Heaters
238239.13	Cabinet Unit Heaters
238239.16	Propeller Unit Heaters
Division 26	As applicable and for coordination
260519	Low-Voltage Electrical Power Conductors and Cables
Division 27	For coordination
Division 28	As applicable and for coordination
Division 31	As applicable and for coordination
Division 33	As applicable and for coordination

Contract Package	**Specification Reference**	
15B – Sprinkler	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	047200	Cast Stone Masonry for coordination
	047300	Manufactured Stone Masonry for coordination
	051200	Structural Steel Framing for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	054000	Cold Formed Metal Framing for coordination
	055000	Metal Fabrications for coordination
	061053	Miscellaneous Rough Carpentry for coordination
	072600	Vapor Retarders as applicable and for coordination
	072726	Fluid-Applied Membrane Air Barriers for coordination
	072736	Sprayed Foam Air Barrier for coordination
	074213.13	Formed Metal Wall Panels for coordination
	075113	Built-up Asphalt Roofing for coordination
	076200	Sheet Metal Flashing and Trim for coordination
	077100	Roof Specialties for coordination
	078413	Penetration Firestopping as applicable and for coordination
	078443	Joint Firestopping as applicable at penetrations
	079200	Joint Sealants as applicable
	083113	Access Doors and Frames as applicable
	083313	Coiling Counter Doors for coordination
	083323	Overhead Coiling Doors for coordination
	084113	Aluminum-Framed Entrances and Storefronts for coordination
	084413	Glazed Aluminum Curtainwalls for coordination
	088813	Fire-Resistive Glazing for coordination
	101100	Visual Display Units for coordination
	101200	Display Cases for coordination
	114000	Food Service Equipment for coordination
	115213.19	Rear Projection Screens for coordination
	116143	Stage Curtains for coordination
	116623	Gymnasium Equipment for coordination
	116653	Gymnasium Dividers for coordination
	Division 13	For coordination
	210500	Common Work Results for Fire Suppression
	210523	General-Duty Valves for Water-Based Fire Suppression Piping
	210553	Identification for Fire Suppression Piping and Equipment

211119	Fire Department Connections
211313	Wet Pipe Sprinkler Systems
213113	Electric-Drive Centrifugal Fire Pumps
213400	Pressure-Maintenance Pumps
213900	Controllers for Fire-Pump Drivers
Division 22	For coordination
Division 23	For coordination
Division 26	For coordination
Division 27	For coordination
Division 28	For coordination

Contract Package	**Specification Reference**	
16A – Electrical	Division 00	In its entirety
	Division 01	In its entirety
	033000	Cast-In-Place Concrete for coordination
	042000	Unit Masonry for coordination
	047200	Cast Stone Masonry for coordination
	047300	Manufactured Stone Masonry for coordination
	051200	Structural Steel Framing for coordination
	052100	Steel Joist Framing for coordination
	053123	Steel Roof Decking for coordination
	054000	Cold Formed Metal Framing for coordination
	055000	Metal Fabrications for coordination
	061053	Miscellaneous Rough Carpentry for coordination
	072600	Vapor Retarders as applicable and for coordination
	072726	Fluid-Applied Membrane Air Barriers for coordination
	072736	Sprayed Foam Air Barrier for coordination
	074213.13	Formed Metal Wall Panels for coordination
	075113	Built-up Asphalt Roofing for coordination
	076200	Sheet Metal Flashing and Trim for coordination
	077100	Roof Specialties for coordination
	077200	Roof Accessories as applicable and for coordination
	078413	Penetration Firestopping as applicable
	078443	Joint Firestopping as applicable at penetrations
	079200	Joint Sealants as applicable
	081113	Hollow Metal Doors and Frames for coordination
	081416	Flush Wood Doors for coordination
	083113	Access Doors and Frames as applicable
	083313	Coiling Counter Doors for coordination
	084113	Aluminum-Framed Entrances and Storefronts for coordination
	084413	Glazed Aluminum Curtainwalls for coordination
	087100	Door Hardware for coordination
	093000	Tiling for coordination
	096723.01	Epoxy Resinous Flooring for coordination
	096723.02	Urethane Resinous Flooring for coordination
	101100	Visual Display Units for coordination
	101200	Display Cases for coordination
	102800	Toilet, Bath and Laundry Accessories for coordination
	114000	Food Service Equipment for coordination
	115213.19	Rear Projection Screens for coordination
	116143	Stage Curtains for coordination
	116623	Gymnasium Equipment for coordination
	116653	Gymnasium Dividers for coordination
	123216	Manufactured Plastic Laminate Faced Casework for coordination
	123550	Media Center Casework for coordination

Division 13	For coordination
260501	General Electrical Requirements
260519	Low-Voltage Electrical Power Conductors and Cables
260526	Grounding and Bonding for Electrical Systems
260529	Hangers and Supports for Electrical Systems
260533	Raceways and Boxes for Electrical Systems
260543	Underground Ductbanks
260544	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
260548.16	Seismic Controls for Electrical Systems
260553	Identification for Electrical Systems
260573	Overcurrent Protective Device Coordination Study
260574	Overcurrent Protective Device ARC-Flash Study
260800	Electrical System Commissioning
260923	Lighting Control Devices
260926	Lighting Control Panels
262213	Low-Voltage Distribution Transformers
262413	Switchboards
262416	Panelboards
262653	Electric Vehicle Charging Equipment
262726	Wiring Devices
262813	Fuses
262816	Enclosed Switches and Circuit Breakers
262913	Enclosed Controllers
263213.16	Gaseous Emergency Engine Generators
263600	Transfer Switches
264113	Lighting Protection for Structures
264313	Surge Protection for Low-Voltage Electrical Power Circuits
265119	LED Interior Lighting
265613	Lighting Poles and Standards
265619	LED Exterior Lighting
270500	Telecom Pathways and Spaces
271000	Structured Cabling
274100	Audio Visual and Sound Systems
275000	PA and Clock
281000	Access and Intrusion Systems
283111	Digital, Addressable Fire-Alarm System
Division 21	For coordination
Division 22	For coordination
Division 23	For coordination
Division 31	As applicable and for coordination
Division 33	As applicable and for coordination

END OF SECTION

PART 1 – GENERAL SCOPE OF WORK FOR ALL TRADES

A. CONTRACT PACKAGE PROPOSALS:

1. Proposals in compliance with the Invitation to Bid and Instruction to Bidders will be received for the contract packages included herein.

2. Refer to Document 002413 - Contract Package / Specifications Cross-reference.

3. All contract package proposals must include all items in the package. No exceptions, exclusions, or qualifications are permitted.

4. Contractor shall review the list of unit prices found on the form of proposal**,** and accepts these rates for potential changes to the work, both adds and deducts, for the duration of the project.

5. Contractor shall be required to carefully review all alternate proposal requests contained within the Contract Documents. Contractor shall provide costs for all work contained in the alternates, associated and/or specifically indicated as part of the Contract Package. Contractor shall be responsible for providing all such work upon acceptance of the alternates by the Owner. Failure to list a price on the alternate proposals will be considered zero cost and does not relieve the contractor from performing the scope of work if the alternate is accepted.

6. Contractors bidding more than one package must submit separate Forms of Proposal for each package.

7. The basis of Trade Contract awards will be made on a best value to the project, considering price, qualifications, MBE (MDOT) participation, LEED requirements, and the acceptance the of contract requirements.

B. QUESTIONS CONCERNING THE CONTRACT PACKAGE:

1. All questions concerning the Contract Packages, Form of Proposal and all technical specifications must be brought to the attention of the Construction Manager in writing no later than five (5) business days prior to the bid. All questions shall be emailed to bids@dustinconstruction.com.

2. Work listed in any specification section, which is described, as being in accordance with a related reference section, shall be performed by the Contractor in whose section the work is listed.

C. CONTRACT PACKAGE INSTRUCTIONS:

1. This project is being funded over two fiscal years, therefore, upon request, the successful Contractor shall be required to provide two separate costs associated with their Trade Package:

    a. Costs for all work that takes place between Award and June 30, 2020.
    b. Costs for all work that takes place on or after July 1, 2020.

    This will allow for contracts to written upon board approval of project. Initial contract will be written for costs expected for first fiscal year, with a locked in change order to follow once funding for second fiscal year becomes available.

2. Contract package specific scope of work instruction sections follow this section and are listed separately by package.

3. The Contractor shall provide all labor, materials, tools, equipment and supervision necessary to complete all of the work required by the Specification Sections designated in Sections 002413 Specifications Cross Reference

and 002416 Contract Packages, as being part of the Contract Package for which he is submitting a proposal.

4. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the scope in accordance with the complete set of Contract Documents.

5. The Contract Package instructions are provided to highlight the major portions of the work of each Contract Package and to include supplemental requirements. The Contract Package instructions are not intended to list every portion of the work that is required by the specifications assigned to each Contract Package.

6. The terms Contractor, Trade Contractor, Subcontractor, Supplier, Second Tier Subcontractor, etc. are considered interchangeable when it comes to both the General and Specific scope line items, Contracts and or Purchase Orders.

D. DUPLICATION OF WORK:

1. A duplication of any portion(s) of the work in another Contract Package shall not relieve the Contractor of his responsibility to perform all of the work required by his Contract Package instructions. If any such duplication of work is discovered, the Construction Manager or Owner shall decide which contract(s) shall be adjusted to eliminate any such duplication of work.

2. In the event of a conflict between drawings or specified requirements, the Contractor will be responsible to provide the superior quality, quantity, or costlier product and installation as deemed by the Construction Manager, Owner or Architect.

G. MBE & WORKFORCE DEVELOPMENT REQUIREMENTS

1. The Project has established Minority Business Enterprise (MBE) participation goals for each Contract Package as listed in the Invitation to Bid. MBE firms must be certified by the Maryland Department of Transportation (MDOT) in order to be counted towards the goals.

2. Contractor shall endeavor to maximize participation by MDOT certified minority firms in its bid. Contractor shall complete and submit all required MBE forms for this project and shall include in its agreements with certified MBE Contractors a requirement to submit these MBE forms to the Owner.

3. Only contractors, vendors or suppliers certified by MDOT (Maryland Department of Transportation) are recognized as certified MBE.

4. In the event MBE participation cannot be achieved, documentation must be provided as described in Division 0.

5. Contractor must provide verification of payment to MBE via canceled check or notarized lien waiver within thirty (30) days of payment from Owner to Contractor if MBE costs were submitted on Contractor's requisition. This verification is to be sent to the Construction Manager no later than the month's following pay application.

6. Contractors are required to furnish copies of executed subcontract or supplier agreements with MBE firms if and when required by Owner.

7. In accordance with Specification Section 012900, Contractor to create on the schedule of values a line called "MBE inclusion". The **mandatory assigned value will be 1% of the total contract value.** This is in addition to the retainage requirements of the contract. Monies will be released as determined by contractor's performance, similar to any other line item in the schedule of values.

H. WAGE RATES AND SALES TAX

1. Frederick County Public Schools has issued Prevailing Wage Rates enforced for the duration of this project per Specification Section 004343. Contractor shall pay wages to workers in strict accordance with above mentioned Wage for this Contract. Contractor shall comply with all applicable Labor Standards Provisions and is also responsible for ensuring that all subsequent tier Contractors comply with the submission on their required payrolls.

   All certified payroll reports shall be submitted electronically as required and confirmation receipts are to be faxed to Dustin Construction at 301-810-4345. Any fines incurred for failure to comply and improper or untimely reporting shall be backcharged directly to Contractor.

2. This project is subject to State of Maryland sales tax.

I. PERMITS, TESTING AND INSPECTIONS

1. The Owner and or Design Team is to secure the Building and MDE permits only. All other required permits, sub permits, trade permits, approvals, bonds, etc. are the respective Contractor's responsibility.

2. Contractor shall provide full cooperation with all testing agencies, all materials to be tested, and lastly test reports when performing own testing.

3. Owner to provide all inspection and testing as delineated in Specification Section 014000. Any and all other required testing and inspection is the responsibility of the Contractor. Any costs for retesting due to Contractors failure of original tests shall be borne by said Contactor.

4. Contractor shall coordinate with all jurisdictional agencies and inspectors.

5. Contractor shall provide any and all trade certifications, licenses, and sign-offs required to secure any and all approvals, permits, and certifications.

6. Contractor shall perform all work to comply with the rules and the regulations of the governing bodies and state local laws. Contractor shall obtain all required bonds and permits, secure all inspections, and provide all tests and certifications required by code. Contractor shall provide copies of all its permits and inspection certificates to the Construction Manager for their records.

7. Contractor is responsible for providing the required testing and certification through an approved agency for all equipment assemblies that require a UL rating.

8. Provide start up services, testing, turnover and warranty of all materials and equipment, as per specifications. Submit a turnover plan as part of the submittal process indicating the equipment, testing, reporting and witnessing requirements.

9. Contractor shall participate in the commissioning per the specifications.

F. INSURANCE, BONDS AND RELEASES

1. The Owner shall procure the Builder's Risk Insurance Policy. The deductible portion shall be paid by the Contractor responsible for any claims against the Builders' Risk Insurance.

2. Unless noted otherwise within the Contract Documents, the following insurance shall be provided by Contractor. All costs associated with required insurances shall be included in the Contractor's cost. Contractor must submit proof of Insurance on a standard ACORD form, for that portion of the insurance which remains the Contractor's, such as off-site, automobile, etc., with additional insureds as required, in accordance with the limits below. Coverage for Additional insured shall include both Ongoing operations

and Products and Completed Operations on a Primary and Non-Contributory basis. Waiver of Subrogation shall be provided in favor of the Additional Insureds.

Workman's Compensation and Employers Liability
Statutory Limits – Workers Compensation covering all state and local requirements
Employers Liability Limits
$500,000 Each Accident
$500,000 Employee for injury by disease
$500,000 Aggregate for injury by disease

Automobile Liability
$1,000,000 Per Accident for all Owned, Non-Owned and Hired Autos

Commercial General Liability
$1,000,000 Per occurrence
$2,000,000 Aggregate
$2,000,000 Products and Completed Operations Aggregate
$1,000,000 Personal and Advertising Injury

Umbrella Liability or Excess Liability
$5,000,000 Per occurrence
$5,000,000 Aggregate

3. Contractor to include a 100% performance bond and a 100% payment bond from a surety company acceptable to the Construction Manager. Contractor also required to include bid bond per the specifications.

4. Contractor to include with pay applications all required lien releases.

5. Contractor shall comply with all insurance regulations as required by local jurisdictions and the contract documents. Additionally, the Contractor is required to provide insurance certificates for each of his subcontractors and material suppliers who will be onsite. All insurance certificates must be submitted prior to start of work onsite.

6. Date of Substantial Completion is as follows:

   a. 1/29/2021 New Building
   b. 4/5/2021 – Site
   c. 5/17/2021– SWM Project Sign off

   Liquidated damages in the amounts stated in the contract documents ***($1,000/day)***[3] will be assessed in the event a Contractor fails to achieve or contributes to the cause of the failure to not reach any or all Substantial Completion(s) as stipulated.

7. Despite any reference throughout the bid documents to the contrary, a bid bond is required to be in place for a minimum of **180 calendar days** from the time of bid.

H. SUBMITTALS AND RFI'S

1. Electronic files may be available for use by Contractor for a fee to be determined by the Architect. Contractor agrees to sign waiver and assumes all liability and understands this is solely for their beneficial use for preparation of shop and coordination drawings. Files most likely will be in REVIT format, any costs associated with conversion of files from REVIT to Contractor's required file type, is to be done at the respective Contractor's time and expense. Failure to provide files in a timely fashion does not relieve this contractor of responsibility of submission time frames dictated here-in. Any delay in construction due to a delay in the submittal and or procurement process will be this contractor's responsibility. Any and all acceleration costs of subsequent trades will be the responsibility of this contractor.

2. Contractor shall provide all required submittals to the Construction Manager within sixty (60) days after issuance of a "Letter of Intent" or the Contract, whichever is issued first or sooner if necessary to avoid delay to

work of all other Contractors. Contractor shall use a submittal cover sheet with all applicable required information completed; conforming and in accordance with the intent of the document.

3. No substitutions will be allowed without pre-bid written approval of the Architect and/or Owner, and must be clearly identified as such and conform to Specification Section 016000. Non-conformance submittals which are rejected shall not be cause for schedule delay.

4. Contractor to submit for approval one (1) pdf of all submittals for proper distribution to Architect, Consultants, and Engineers for review. Contractor to submit additional hardcopies to Jurisdiction Having Authority upon request at no additional cost. After submittals are approved for use, Contractor to then scan and return one (1) pdf copy back to the Construction Manager for distribution to other trades for coordination. Contractor acknowledges the design team is allotted a minimum of 14 calendar days for review of submittals and cannot claim delay due to submittal review if reviewed within this allotment. Hard copies of submittals shall be provided upon request.

5. Within seven (7) days of the issuance of the Letter of Intent or Contract, whichever is first, despite any other reference, the Contractor will forward to the Construction Manager the following:
    a. Safety Program
    b. Submittal Log
    c. Submittal Request Log detailing submittals from other trades required by this contractor
    d. Closeout Log
    e. List of Attic Stock Requirements

6. RFI'S are to be submitted electronically for processing by the construction manager to the design team and owner. Contractor acknowledges the design team is allotted a review time of 7 days and therefore a delayed response is not cause for a delay to the contractor unless over the 7 day review time.

I. SUSTAINABLE DESIGN REQUIREMENTS (LEED)

1. Contractor is aware this is a LEED "Silver" project and shall comply in a timely fashion with requests of Construction Manager to properly plan and document this project.

2. All Contractors are responsible for LEED requirements per Specification Sections 017419 and 018113 in addition to LEED requirements listed in individual specification sections pertaining to work installed under their respective contract packages.

3. In accordance with Specification Section 012900, Contractor to create on the schedule of values a line called "LEED." The **mandatory assigned value will be 1% of the total contract value.** This is in addition to the retainage requirements of the contract. Monies will be released as determined by contractor's performance, similar to any other line item in the schedule of values.

J. SAFETY

1. Contractor shall be required to conduct his activities in a safe manner and shall be responsible for observing the safety regulations of MOSH, OSHA, and local life safety agencies. Contractor shall comply with applicable laws, ordinances, rules, regulations and orders of governing authorities having jurisdiction including the Construction Manager or Third-Party Inspection service, for the safety of persons and property to protect them from damage, injury or loss, immediately and without recourse to additional cost.

2. The Contractor's personnel, his Subcontractors, and Suppliers' personnel shall at all times demonstrate proper behavior and act in a courteous manner. The Contractor shall remove from the Project or cause to be removed from the Project any such personnel who demonstrate unacceptable behavior (as determined by the Contractor and/or Construction Manager). Removal from the Project shall be permanent.

3. Contractor shall furnish, install, provide, and maintain all traffic control (including flagmen) for this Contractor's work as required by the Contract Documents and/or governing authorities having jurisdiction over them.

4. Contractor shall furnish, install, and maintain all safety and/or warning signs as required for this work and/or per the direction of the authorities having jurisdiction over the work.

5. Contractor shall furnish, install, and maintain all fall protection and barricades, including toe boards, with its scaffolding systems

6. 06A Contractor is to furnish, install, and maintain temporary general use fire extinguishers onsite and in building per MOSH/OSHA requirements for general building protection. All Trades are to provide own fire extinguishers, blankets, and any other provisions for burning, welding, soldering, braising, or any hot/fire work performed by the Contractor in performance of their work in any area as specifically necessary.

7. Contractor is to erect and maintain, as required by conditions and progress of the work, all necessary safeguards for safety and protection, including fences, railings, barricades, lighting, posting of danger signs, caution tape, flagging, and other warnings against hazards. Contractor is to ensure all of its own work forces and subcontractors are equipped and utilizes required Personal Protective Equipment (PPE) to facilitate its scope. Contractor is responsible for initiating, maintaining and supervising all safety precautions and programs in connection with this contract as related to the scope of work being performed. The Contractor shall provide safe access to his work for the Owner, Construction Manager, Architect, Consultants, Testing Agencies, etc. to inspect and test the work.

8. The Contractor shall conduct required Safety Meetings and shall provide a copy of the minutes and attendance list for each meeting to the Construction Manager's Superintendent.

9. In the event the Owner or Construction Manager is cited for MOSH/OSHA violations due to, arising out of, relating to, or in any way attributable to actions or inactions by the Contractor and/or by any of its subcontractors, agents, servants, employees, or representatives, the Contractor shall be liable for and shall be responsible for all losses, costs, expenses and damages incurred by the Owner and/or Construction Manager including, but not limited to:
    a. Legal Fees;
    b. Fines and/or penalties assessed;
    c. Reimbursement for employee costs to attend any related meetings and/or proceedings;
    d. Reimbursement for incidental costs such as document searches, document production, and document copying;
    e. Increased insurance premiums

10. In the event that any work on the project is delayed or disrupted because of any MOSH/OSHA directives or citations arising out of, relating to, or in any way attributable to actions or inactions by the Contractor (and/or by any of its Contractors, agents, servants, employees, or representatives), the Contractor shall be liable for and shall be responsible to pay for all losses, costs, expenses and damages incurred by the Owner and/or Construction Manager.

11. If required, Contractors must obtain a Hazardous Materials Permit from Frederick County Department of Permitting Services for any tank, barrel, or container, which contains flammable or hazardous fuel/material. Furthermore, any tank, barrel, or container, which contains flammable or hazardous fuel/material, shall be protected in a manner acceptable to MOSH. This includes, but not limited to, chain-link fencing with posts driven a minimum 2′-6" below grade or 6" steel bollards 8′ long driven 3′ into the earth 4′ on center around perimeter of area. No fuel or any substance may be placed in tanks until condition is reviewed and approved by MOSH or in writing by the Contractor's Safety Officer. Under no circumstance shall any tank, barrel, or container, which contains flammable or hazardous fuel/material, be placed within 10′ of any temporary or

permanent road.

12. Under no circumstance shall trades be working without clear separation from staff and/or students. Contractor includes any and all costs for each employee undergoing the background check as part of the base bid. Employees which fail to comply with this regulation will be immediately removed from the project.

13. All contractors working with Portland Cement or a Portland Cement based product, are required to provide Eye Wash Station(s) as required by MOSH or OSHA. Contractor to provide multiple stations located as necessary to comply.

14. Perimeter and floor opening protection will be installed and maintained by designated Contractors. If the protection interferes with completion of work, then respective Contractor shall remove and replace the protection in compliance with the CM's Project Safety Plan and all OSHA/MOSH standards. If a Contractor creates a hole, opening, fall or trip hazard, the same Contractor must properly cover, secure and label such hazard.

15. All Contractors shall designate a Safety Officer who is required to have and maintain an OSHA 10-hour certification. This Safety Officer can be the Contractors Foreman as long as the Contractor does not have more than 45 workers on site.

K. PUNCHLIST, AS-BUILTS, WARRANTIES, O&M'S AND CONTRACT CLOSEOUT

1. Contractor shall maintain a set of as-built drawings as required by the contract documents. Contractor will also assist the Construction Manager with updating the Construction Manager's field as-built drawings. Contractor understands that as-built drawings will be checked on a monthly basis and will be reviewed as a prerequisite to requisition approval. Contractor shall submit three (3) hard copy sets and (1) pdf copy of final certified as-built drawings within ten (10) days prior to substantial completion to the Construction Manager. Contractor shall provide complete operation and maintenance manuals with spare parts list a minimum of ten (10) days prior to substantial completion to the Construction Manager.

2. All work to complete lists, inspection lists, etc, shall be completed within ten (10) days of issuance to contractor, or sooner as deemed by the project schedule.

3. All punch list work must be completed within twenty (20) calendar days of issuance of such list, distributed via fax, e-mail, or standard mail, which ever format is issued first. In the event the Contractor fails to complete all list items, which pertain to their scope of work, within the twenty (20) day time frame, the Contractor shall reimburse the Construction Manager directly at a rate of five hundred dollars ($500.00) per calendar day until all applicable punch list items are complete. This is in addition to any other damages clause in the contract. If the Contractor fails to reimburse the Construction Manager directly, within ten (10) days after issuance of the invoice, the Contractor's Surety for the project shall be held liable for compensation and payment to the Construction Manager. The Surety shall issue payment to the Construction Manager within fifteen (15) days of receipt of invoice from the Construction Manager. The issuance of payment and performance bonds to the Contractor by the Surety shall be construed as acceptance of this condition of the contract. In no way does any verbiage or implied conditions of the bond supersede this condition of the contract, nor does enforcement of liquidated damages negate this clause, as liquidated damages are only enforced in regards to a delay to substantial completion; punchlist work occurs after substantial completion.

4. In accordance with Specification Section 012900, Contractor to create on the schedule of values a line called "Punchlist". **The mandatory assigned value will be 1% of the total contract value.** This is in addition to the retainage requirements of the contract. Monies will be released as determined by contractor's performance, similar to any other line item in the schedule of values.

5. Contractor shall furnish and install touch-up paint at all equipment installed by this Contractor.

6. After completion of Commissioning, Contractor shall be responsible for all training and demonstration requirements for all equipment and systems it has installed per the specifications. Contractor includes professional recording of all required training. Media to be provided within seven (7) days of each training session. Either in addition to the training requirements of respective specifications or in the event no training requirements are specified, Contractor to include either an additional or minimum training of 8 hours per system installed, to be used at Owner's discretion. All additional training to be tracked via ticket basis, any unused hours shall be credited back to the Owner.

7. Contractor shall be responsible for replacing and repairing at no cost to the Owner and / or the Construction Manager any work performed by this Contractor that is determined to be unacceptable to the Owner, Construction Manager, and / or applicable inspectors. In said event, the Contractor shall coordinate and prioritize its work as to eliminate impact to the project schedule.

8. Contractor shall guarantee or warranty its work against deficiencies and defects in materials and / or workmanship for two (2) years from the date of substantial completion. Contractor shall furnish all operations manuals, maintenance manuals, cleaning instructions, supplier / manufacturer warranties, and the like for all work performed.

9. Contractor shall participate in Project walk through(s) immediately prior to the expiration of all warranties and/or guarantees provided under the work of this contract. Any deficiencies noted will be corrected by Contractor at no additional cost to the Construction Manager/Owner.

10. Contractor shall provide start up services, turnover, and warranty of all materials and equipment, as per specifications. Contractor shall submit a turnover plan as part of the submittal process indicating the equipment, testing, reporting and witnessing requirements

11. In regards to Project Closeout, Specification Section 017700, Contractor to create on the schedule of values a line called "Closeout Documents and As-Builts." The **mandatory assigned value will be 1% of the total contract value.** This is in addition to the retainage requirements of the contract. Monies will be released as determined by contractor's performance, similar to any other line item in the schedule of values.

12. Contractor to include attic stock per the specifications. Contractor to submit list within 7 days of award the required attic stock per the specifications for review and approval by Construction Manager. Any materials originally intended for attic stock, which were used during project completion will be replaced at no charge to the owner within 20 calendar days following substantial completion. All attic stock will be given in full packaging. Where specifications call for a percentage, material will be rounded up to the next full package. Opened material will not be accepted for attic stock.

L. CLEAN UP

1. Contractor to create on the schedule of values a line called "Cleanup." The **mandatory assigned value will be 1% of the total contract value.** This is in addition to the retainage requirements of the contract. This is an arbitrary value and not to be construed as the required value of cleanup. Monies will be released as determined by contractor's performance of daily cleanup, similar to any other line item in the schedule of values.

2. The Contractor shall provide daily clean-up and disposal of all trash, debris, and excess material generated by this work and or workers. Contractor includes all required brooms, shovels, employee PPE, etc. Means and Methods shall be as required within the Construction Manager's Waste Management Plan for the Project. Should the Contractor's cleanup be unsatisfactory, the Construction Manager shall perform the work at the Contractor's expense, and deduct said costs from respective contractor's contract. A formal notice to cure is not required for Construction Manager to cleanup on the contractor's behalf.

3. In addition to the requirement of providing daily cleanup of self generated debris from work and or workers, the 04A, 06A, 09A, 15A and 16A contractors are to include 1 man (must be a Contractor full time employee,

providing unsupervised day laborer(s) will not suffice) per every ~~***10***~~ ***15***[5] men contractor has onsite, with a mandatory minimum of one man if contractor has less than ~~***10***~~ ***15***[5] men onsite. This requirement will be utilized for the 04A, 06A, 09A, 15A and 16A contractors to participate in a composite cleanup crew. Composite cleanup days will be every Wednesday from 7am to 2pm. Construction Manager will provide trash carts, dumpsters and sweeping compounds, all other equipment, PPE or otherwise, i.e. brooms, shovels, etc., are to be contractor provided. As contractor is participating in the general cleanup crew requirements as well as performing own daily cleanup, monies per General Scope Item L-1 will be released as any other line item in the schedule of values. It is anticipated that the contractors will have lulls in work onsite and will assist with trash removal from building with both added manpower and equipment. Each week a different trade will take the lead in this effort, as assigned by Construction Manager.

4. Contractor shall be responsible for all street cleaning as necessary for dirt and debris that may be generated by its trucks and / or equipment and including this Contractor's suppliers and subcontractors.

5. When performing cleaning work, use only approved HEPA type vacuum units. No "blowing out" (pressure cleaning) will be allowed.

6. At the start of final cleaning of spaces, contractors requiring access into spaces to perform work, inclusive of punchlist work, will be required to wear "booties" to help protect finished spaces, provided at contractor's own expense. This will be a zero-tolerance policy, any contractor's forces which fail to comply will be removed from site and respective Contractor is then responsible for all costs with re-cleaning of room(s) as necessary to Owner satisfaction, inclusive of removal of furniture and furnishing(s) if need be.

M. SCHEDULE

1. The Construction Manager has issued with the bid a "Preliminary Schedule" to assist Contractors in evaluating when they can be expected to be onsite and the associated duration to complete their work. After award, the Construction Manager will solicit major trades' input on the schedule in regards to sequencing and durations. In the event a Contractor wishes for more time, they will be given an opportunity to submit a request on a first come first serve basis, and if the overall schedule allows, duration changes may be accommodated**. Despite any reference to the contrary, the Construction Manager is the sole and final judge of durations necessary to complete the work**. The Construction Manager will then publish a Construction Schedule with input from the Contractors after the bid, which will be the Project's Baseline Schedule to measure acceptable progress. The Construction Manager will make monthly updates to the Baseline schedule as the job progresses and issue to all trades for their use. If a Contractor fails to maintain scheduled progress, the Construction Manager will issue a notice to cure. In the event the Contractor fails to get back on schedule, or issue a recovery schedule to the Construction Manager within five (5) days, the Construction Manager and or Owner reserves the right to supplement the Contractor's forces with others and deduct all costs from the Contractor's contract balance. Only one (1) notice is required to be issued. Contractor acknowledges The Preliminary Schedule is <u>not</u> the Construction Schedule and is subject to revisions at the sole discretion of the Construction Manager.

2. This work shall be performed in accordance with the schedule as updated irrespective of the amount of overtime or level of manpower, equipment, and supervision required. The Contractor shall not be entitled to any damages or other compensation from the Owner or Construction Manager by reason of delay or interruption of its work caused by other Contractors working on the project, weather impact, plan approval and/or permit issuance, or Owner delays, other than a time extension. Incorporated into the project schedule are days for inclement weather based on the last five-year average for the area. Neither the Owner nor Construction Manager will be charged for any incidental stand-by-time by the Contractor, or any of its agents, sub-subcontractors, suppliers, vendors, or deliveries.

3. Contractor shall maintain at all times sufficient manpower levels to meet scheduling requirements and avoid delay to other phases and or trades work. The Construction Manager shall determine whether the Contractor's manpower level is sufficient to diligently execute the work.

4. Contractor shall be responsible for coordinating his work with the other trades so that conflicts are avoided and that the expeditious progress of the project is not hampered. Any Contractor who believes that a potential conflict may exist shall notify the Construction Manager immediately and follow-up in writing within three (3) days.

5. The Contractor agrees that if, in the good faith judgment of the Construction Manager, the Contract completion date will not be met, the Contractor shall immediately, without any further direction, take any and / or all of the following actions and any other additional actions as otherwise directed by the Construction Manager, necessary to insure timely completion, at no additional cost to the Construction Manager and / or Owner:

    - Increase the Contractor's resources, equipment and manpower in such quantities and crafts that will insure, in the good faith judgment of the Construction Manager, timely completion of the Contract completion dates.
    - Increase the number of working hours per shift, shifts working per day, working days per week, the amount of construction equipment, and/or any combination thereof, that will insure, in the good faith judgment of the Construction Manager, timely completion of the Contract completion dates
    - Reschedule activities to achieve maximum practical concurrency of accomplishment of activities that will insure, in the good faith judgment of the Construction Manager, timely completion of the Contract completion dates

6. The 02A, 03A, 04A, 05A, 06A, 07A, 09A, 15A, 15B, 16A Contractors shall be required to work Monday through Saturday as part of the base bid costs. All other Contractors must work Monday through Friday, forty (40) hours minimum work week, as part of the base bid. Jobsite hours are as follows:

    Monday – Thursday – 6:30am to 4pm
    Friday- 6:30am – 3:30pm
    Saturday – 6:30am – 3:30pm
    Sunday – As required, coordinated no later than Wednesday prior

    In the event a trade such as a mason wants to work over the weekend, regardless of losing or not losing hours during the work week, the MEP trades should adjust manpower accordingly during the week to avoid unneeded overtime. This overtime will not be paid by Owner or Construction Manager.

    In addition, if any hours for any trade is lost during the typical Monday through Friday work week due to weather, Saturday(s) will be the mandatory makeup day(s) until lost weather hours during the week are made whole. Lost weather is viewed on a per project basis, not a per week or month basis.

7. Contractor is aware of and will comply with all required noise ordinances and levels as prescribed by any and all Authorities Having Jurisdiction (AHJs), including but not limited to the Town of Walkersville, Frederick County, and the State of Maryland.

    Decibel (db) levels are measured at the project's property line. In the event a fine is issued for failure to comply, the offending contractor, as determined by Construction Manager, will be backcharged same amount. Contractors which will knowingly exceed these decibel levels must apply for a temporary exemption with the appropriate AHJ.

8. Multiple mobilizations may be required and are included within this Contractor's work as needed.

9. This contractor understands that other contractors may be on site during the work of this contract. Contractor agrees to make every effort to cooperate and coordinate the schedule of the work with that of the other Contractors as to not delay the project. Contractor shall coordinate on a daily basis with other Contractors and

Construction Manager to avoid conflicts in installation. Correction or re-installation of work due to lack of coordination will be done at no cost to the Owner or Construction Manager.

10. Notwithstanding any other provision of the Contract Documents, Contractor agrees that in no event shall it make a claim or other demand for any delay, disruption or hindrance to the prosecution of the Work, unless Contractor is subjected to a complete and full work stoppage resulting in a continuous delay, disruption or hindrance in the prosecution of critical path Work of five (5) days or longer due to causes beyond its fault or control, in whole or in part.

N. PAY APPLICATIONS

1. The Contractor shall provide a Schedule of Values with a detailed breakdown per building area within 10 days of award. General conditions shall include cost of bond(s), general cleanup, and contract closeout cost stipulations only. All mobilization, material, equipment and installation costs shall be included in each line item.

2. The Owner and Construction Manager shall have the right to access and audit the Contractor's project records and documents as necessary to verify that Contractor has complied with all the terms and conditions of the contract. In the event of a claim by the contractor against the Owner, the Owner and Construction Manager shall have the right to access and audit all of the Contractor's records, books, estimates, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to the claim. All change order cost paid to the Contractor on a cost reimbursable basis shall be subject to audit by the Owner and Construction Manager. Audit of change orders cost may require access to the supporting documentation of the lump sum contract. The Owner shall also have the right to audit all the related records of subcontractors who are paid on a cost reimbursable basis. Contractor shall include a clause to this effect in its contract with subcontractors. Contractor and subcontractors shall preserve all project documents for a period of three (3) years after final acceptance of the project by the Owner.

3. Notwithstanding anything to the contrary elsewhere in the contract documents, the Owner will pay the Contractor cost only (no markup) for materials stored onsite or at an approved offsite location. The Contractor shall provide manufacturer/supplier invoices to validate amounts requested. Stored materials must be onsite or at the approved offsite location at the time the Contractors draft requisition is submitted to the Construction Manager. In addition to supplier invoice(s), bill of sale and insurance certificates must be attached to the draft requisition. Approval of stored materials are also subject to inspection at offsite facility by Owner and/or Construction Manager. Contractor includes all costs related to travel expenses in the event the Owner and/or Construction Manager wish to verify stored materials offsite. Failure to comply with any or all of these requirements will result in the billing of stored materials being rejected

4. Pay applications are due as follows:
    - No later than the 20th of each month, projecting to the end of the month, Contractor to submit draft application to Construction Manager via pdf/email.
    - No later than the 25th of each month, the Owner, Architect and Construction Manager to review and make comments on draft applications, and return comments via pdf/email back to the Contractor for revision
    - No later than the 28th of each month, Contractor to submit final pdf for confirmation by Construction Manager, at which time Construction Manager will advise final hard copy to be sent to main
    - No later than the 30th of each month, Contractor to have mail final hard copy to Construction Manager's main office for processing and subsequent payment

O. POTENTIAL CHANGE ORDERS

1. Change order rates shall be based upon the wage scale (minimum) as issued as part of the Contract Documents in section 004343-Prevailing Wage Requirements.

2. Contractor is responsible for the review of the complete Contract Documents for their scope of work and coordination with contiguous work. All drawings and specifications must be read in conjunction with each other. Contractor recognizes that the plans and specifications are not necessarily complete, refined or detailed for construction of the Project. Contractor represents it is experienced in the construction of similar projects and realizes that refinement, detailing and final completion of design will occur ***at no cost increase unless there is a major change in scope issued by the Owner, Architect, or Construction Manager.*** ~~***Contractor agrees that his Trade Contract Price anticipates and includes the cost for the refinement, detailing, and completion of the final design. Contractor further understands and agrees to no change in the Trade Contract Price is to result therefrom, unless scope of this work is changed due to an Owner change. Contractor further agrees it has included in its price those contingencies, by its expert view and its understanding of similar projects, necessary to provide a complete project as anticipated by the Design guidelines and per all Contract Documents issued. Additionally, Contractor shall work with Construction Manager and the Designers to assure the work is not altered, modified or transformed from the Design Intent. Contractor agrees that in no event will it seek additional monies or compensation for changes required by the Contract Documents to meet the initial RFP and/ or code requirements, unless the change is Owner initiated and Owner paid.***~~ [3]

3. All costs for proposed changes in work must be submitted within fifteen (15) calendar days from the date of written request (letter, meeting minutes, fax, email, etc). In the event the Contractor fails to submit a complete itemized proposal within the timeframe Contractor will be contractually bound to accept the following:

    I. **Additions -** Contractor will proceed at no cost change or time extension and will perform the work at once or when required in order to avoid any impact to the Project's schedule as directed by the Construction Manager.
    II. **Credits -** The construction Manager will estimate the cost of the credit and the Contractor will be bound to accept a deduct change order for the amount as estimated by the Construction Manager
    III. **T&M** - In the event the Contractor is directed to proceed with extra work on a time and material (T&M) basis, Costs for this work must be submitted as an itemized proposal within ten (10) calendar days from the date the work was actually performed and verified. Any T&M tickets not signed by the Construction Manager or Owner on the date(s) the work was performed will be rejected and any payment denied.

        a. A complete itemized proposal includes but is not limited to:
        b. A copy of the document which initiated the change
        c. Change request format sheets as found in the specifications or as provided by the Construction Manager
        d. Contractor's itemized breakdown take off
        e. Subcontractor's itemized breakdown take off (as necessary)
        f. Rental ticket invoices, material invoices, vendor invoices
        g. Any other backup as requested by the Construction Manager or Owner.

P. MISCELLANEOUS SCOPE

1. CM's field office facilities, telephones and facsimiles are not for Contractor use.

2. Smoking, Vaping and use of tobacco products onsite or within the building shall not be permitted. Smoking/Vaping areas shall be located no closer than 20 ft. from the property line. Compliance shall be in accordance with LEED and the Drug Free School Zone Policy.

3. Contractor agrees to bind every Sub-Contractor and Vendor by the terms of the Contract Documents and this Agreement; however, it shall not be construed as creating any contractual relations between any of the Sub-Contractors or Vendors and the Construction Manager.

4. Contractor shall be required to store material in an area designated and agreed upon by the Construction Manager's Superintendent. Contractor acknowledges specified laydown, staging, etc. areas may have to be adjusted/relocated during the course of construction, Contractor agrees to be in compliance at no additional cost to Construction Manager or the Owner

5. The Contractor will provide full-time, onsite, competent, English speaking supervision and adequate facilities in order to coordinate and supervise the work. The onsite representative is to be authorized to make decisions on the contractor's behalf. The onsite supervisor is not to be utilized to operate equipment. This supervisor is to be a full-time employee of the Contractor. Utilization of a subcontractor or lower tiered subcontractor as the Contractor's representative will not be tolerated. Contractor will be backcharged $250/day for each day there is lack of competent, English speaking, Contractor full time employed supervision.

6. The Contractor shall attend weekly Foreman's Meetings as scheduled by the Construction Manager. The Meeting Agenda shall include general site issues and detailed discussion of work to be performed for the following two (2) weeks. Failure to attend foreman's meeting will result in a $250 backcharge for each unattended meeting starting 2 weeks prior to mobilization through punchlist completion.

7. The Contractor's assigned Project Manager shall attend a Project Manager's Meeting, initially every six to eight weeks, as the job progresses, they will be monthly. Agenda to include status of submittals, RFI's, change requests by Owner or Design Team, procurement issues, manpower, inspections, testing, closeout documents, etc. Failure to attend a scheduled Project Manager's Meeting will result in a $250 backcharge for each unattended meeting starting 2 weeks prior to mobilization through punchlist completion. This is for Project Manager's, not superintendents, foreman, lead foreman etc.

8. The Contractor's assigned Project Manager and onsite supervisor must have the physical capabilities to exit their vehicles and walk the jobsite on a day to day basis. No special accommodations will be made by the Construction Manager.

9. Contractor will provide field reports for its own forces and all of its Subcontractors' to the Construction Manager's field Superintendent on a daily basis. These reports must include at a minimum, manpower (detailed by classification of workers), activities performed (detailed by Area of the building or site), and equipment utilized. This is considered a prerequisite for release of payments to the contractor.

10. The Contractor is advised that surrounding facilities will remain operational throughout the entire duration of the contract. The Contractor shall conduct his operations in such manner to avoid any disruption to the surrounding facilities.

11. The Construction Manager will establish building control lines (one north-south and one east-west) and an elevation benchmark. All Contractors shall provide any additional layout and survey work required for work installed under their respective Contract Packages.

12. Contractor shall perform its own survey of existing conditions and notify the Construction Manager of any discrepancy prior to the start of the Contractor's work. Start of work shall constitute this Contractor's acceptance of the existing conditions.

13. ~~***Contractor shall provide all material and labor associated with the fiber work inside of the existing Walkersville Middle School to bring back the conditions to their original condition or better after the 16A Contractor has finished their work. 06A Contractor shall be responsible for any selective demolition work and all other trades are responsible for their respective trade work.***~~[5]

14. Contractor is responsible for providing a complete and operational scope of work in accordance with the Contract Documents and all state, county, and local authority having jurisdiction over the work.

15. Contractor has a full understanding and knowledge of contract documents and takes full responsibility for their implementation and coordination.

16. Contractor is responsible for dewatering any and all excavations created by this Contractor caused by any means including rain water, run-off from perimeter properties, underground water, leeching water, underground streams, and the like. Contractor is responsible for cleaning of substrate which Contractor's work is to be applied to, i.e. cleaning of footings in order to start masonry.

17. If there are Owner, Construction Manager, or other trade furnished items that are to be installed by the Contractor, the Contractor must provide a minimum of forty-five (45) day written notice to the Construction Manager prior to the installation date of each item. The Contractor shall be liable for costs associated with delay should this Contractor fail to meet this requirement. This Contractor shall schedule, receive, inspect, inventory, store, rig, and install all items furnished by others that are to be installed by this Contractor. Contractor is responsible at the time of delivery for the verification of these items for correctness, and shall report any discrepancies in writing to the Construction Manager within forty-eight (48) hours. If discrepancies are not reported within that time frame, the Contactor shall be responsible for those items in its charge.

18. Contractor shall schedule all material and equipment deliveries through the Construction Manager. Contractor shall phase, sequence, deliver, and store its materials and equipment in a manner which provides full and continual access for all trades. Contractor to coordinate night work as required keeping continual access to the site with the Construction Manager.

19. Contractor shall be responsible for the site / building in its charge. It shall protect adjacent and its own work and materials from soiling or damage.

20. Contractor shall furnish all access doors and frames in all walls, floors, and ceilings as required for its work under this contract whether they are indicated in the contract documents or not. Contractor shall coordinate the locations of all access doors with the Construction Manager. Installation of all trades access doors is by the 09A Contractor.

21. Contractor includes all fire/smoke stopping, stuffing with rockwool, firecaulking, sound and/or weather sealants etc at all penetrations required for own work. This is to be at both sides of walls, floors, etc., as applicable

22. Contractor is responsible for contacting and coordinating with Miss Utility and or a private utility locating company for locating and marking existing utilities if required to perform this work

23. Contractor to submit a truck route plan within 30 days of notice of award. Strict adherence to approved plan will be enforced. Complaints by the neighborhood will not be tolerated, contractor will be held accountable via backcharge of $250 per complaint.

24. It is recommended Contractor submit a 3rd party detailed preconstruction survey of access, roadways, sidewalks, existing facility, etc prior to mobilization (in the form of video, photos, etc.). In the event it is determined access points and roadways to the site are damaged and must be replaced, all contractors will share in the cost as determined by the Construction Manager if a 3rd party preconstruction survey cannot prove otherwise.

25. Contractor includes any and all temporary utilities, i.e. water and power, to perform its work as permanent utilities may not be available for use. Construction Manager will provide temporary toilets for Contractors use.

26. Contractor shall coordinate with all other trades regarding built-in and embedded items required by the Contract Documents

27. Contractor shall furnish and install covering and protection for all equipment provided or installed by this Contractor.

28. Contractor shall provide for all its material deliveries, hoist equipment with operators, hot / cold weather protection (including tenting, heaters, and enclosures), scaffolding, and related items needed for work to proceed expeditiously, and without interruption.

29. Contractor shall furnish and install all waterproofing and counter-flashing of its work when it penetrates the completed roof system, walls, and any other weather barrier surfaces. Any work performed by other contractor's in having to go behind and make this contractor's penetrations weather-tight will be back-charged to this contractor.

30. Contractor shall include material and labor cost increases for the duration of the project. Unless specifically noted otherwise in contractor's specific scope of work, no escalation will be entertained. All material, labor and equipment escalation costs are inclusive with the Trade Contract and therefore have been fully priced according to the baseline completion dates.

31. This project will utilize 3D Building Information Model (BIM). A base model will be provided by the design team, and shall be used to develop a more detailed model for construction purposes. The Construction Manager will hire a third-party BIM Information Manager. The 05A, 09A, 11A, 15A, 15B and 16A Contractors are responsible for the development of a 3D model to BIM LEVEL 300 for all components of work installed under their respective contract packages. This model will be used as the basis to produce shop drawings and as-builts, as well as for coordination, fabrication, and installation. All models are required to be developed utilizing software that is compatible with Navisworks and Revit. 3D models provided by the Contractors, will be integrated into and coordinated with the base model, by the Construction Manager. The 05A, 09A, 11A, 15A, 15B and 16A Contractors will be required to attend weekly online "GoTo meetings" for the purpose of coordination and conflict resolution. All Contractors are responsible for the timely submission of hard copies of shop drawings for work installed under their contract package. Failure, by a Contractor, to submit a 3D model in a timely manner will result in that Contractor being responsible for any and all costs incurred by others for necessary modifications. Failure to properly coordinate work will be corrected in the field at no additional cost.

32. Contractors are reminded that the project site is a school first and a construction site second. Contractors cannot disrupt instruction and learning at any time. All deliveries must be scheduled through the Construction Manager 48 hours prior to delivery.

33. Every effort has been made by the Construction Manager to correctly make all numerical references. In the event a Specific Scope item incorrectly numerically references another Specific Scope item within own package and or other trade package, and or Specification Section, Contractor includes intent of Specific Scope item as if numerical reference was correct.

34. Contractor includes all provisions and labor necessary to construct all mockups listed throughout the construction documents and specifications.

Q. SPECIAL CONSIDERATIONS

1. Strict adherence to all Noise Ordinances. Trucks will not be able to stage prior to normal working hours in accordance with the Ordinance. Please note, backup alarms and idling diesel engine's exceed noise ordinance limitations prior to 7am.

2. Excavation and/or drilling work under this contract is **unclassified to design sub-grade**, and includes but not limited to, excavation and removal of soil, shale, rock, fill, abandoned utilities, abandoned tanks, abandoned wells, abandoned structures, and any and all other subsurface conditions encountered in the contract area **to each respective trade's lowest design elevation in same area**. The Contractor shall make his own soil and subsurface investigations, examination, tests, and exploratory borings of existing subsurface conditions to determine the nature of the soil conditions underlying the project site and thereby assuming all responsibility in excavating for this project without recourse to subsurface information obtained from the engineer, or indirectly from the Owner. The risk of unanticipated soil conditions **from current elevations to this trade's lowest design elevation in same area** is solely the Contractor's. No extra or additional compensation for excavation or claim otherwise will be made or paid under this contract **until added excavations below this trades lowest design elevation in same area are required**. Contractor is responsible for furnishing and placing any import fill material that may be required to complete the work.

3. Specific scopes of work apply to the main building scope as well as any indicated outbuildings located within the sites limit of disturbance and requiring similar work being performed under this contract

4. Minimal parking will be allowed onsite due to space restrictions. It is strongly recommended contractors try to carpool or utilize public transportation as much as possible. Workers personal vehicles will not be permitted to park onsite or adjacent to the building pad. Foreman or Superintendent parking will be restricted to a small designated parking area which is on a first come, first serve basis.

5. Contractor includes cost and filing for Federal Aviation Authority Permit as required. This permit is required for all buildings, structures (permanent and otherwise), equipment, scaffolds, cranes, pumps, etc which are over 39'-11" in height.

6. Daily food trucks will not be permitted on site. Eating within the building footprint will not be tolerated at any time during construction. Contractors are to consume food either off site or within personal vehicles. All trades are to properly dispose of food trash either offsite or to Construction Manager provided dumpster(s). In the event food trash needs to be collected from the grounds of the site, there will be zero warning to trades and all trades onsite will be backcharged cost plus 15% equally, despite respective quantity of workers onsite for the first offense. Second offense will be cost plus 20%. Third offense will be cost plus 25%, and so on.

END OF GENERAL SCOPE OF WORK SECTION

PART 2 – SPECIFIC SCOPE OF WORK

1. Contractor has reviewed and understands the Contract Package / Specification Cross Reference listed under Section 002413.

2. Contractor includes General Scope of Work listed under Part 1 of Section 002416.

3. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the Site work in accordance with the complete set of Contract Documents.

4. The Contractor shall perform at least 30% of this Package by cost with the Contractors own, in-house work forces. Subcontracting or brokering more than 70% of the work shall not be permitted.

Earthwork and Site Demolition Specific Scope:

1. The 02A Contractor will assume all responsibility for the M.D.E. Storm Water Management discharge permit from notice to proceed to substantial completion as necessary. The Owner will transfer the permit to the 2A Contractor when received. After substantial completion, the 02A Contractor will transfer the permit back to the Owner as necessary.

2. The 02A Contractor shall remove trees, shrubs, grass, and other vegetation, improvements, or obstructions, as required, to permit installation of new construction. Site clearing and grubbing, including removal and disposal, shall be as indicated on the plans. The contractor will acknowledge locations of all protected foliage per the plans and specifications prior to the start of any work, and will be responsible for installation, root pruning, signage, etc and maintenance of this protection while contractor is on the project. This Contractor includes dressing up and stabilization around Construction Manager and Owner trailers and removal and restoration of area at project completion.

3. The 02A Contractor will provide all required fill material in accordance with Contract Documents to bring site to final design elevations. The 02A Contractor shall carefully examine site prior to commencing operations. The site is unclassified. The 2A Contractor will be responsible for all excavation down to design subgrade elevation regardless of material being excavated, including rock, at no cost to the Owner. If material excavated exceeds the optimum moisture content, the 02A Contractor shall dry the material prior to reuse and/or stockpile and spread for reuse in another area. If drying cannot be achieved in a timeframe within schedule constraints or within coordination of work with other trades, the 02A Contractor shall remove and legally dispose of offsite and haul in suitable material as part of base bid cost. In the event the material excavated to design subgrade elevation is found to be unsuitable, the 2A Contractor shall remove and legally dispose of unsuitable material offsite and haul in suitable material as part of base bid cost. Proof roll the area prior to placing fill to verify acceptability of substrate.

4. Despite any reference to the contrary, blasting is not allowed.

5. The 02A Contractor includes demolition and removal of masonry mockup panel(s) and foundation as directed by Construction Manager.

6. The 02A Contractor shall furnish, install, maintain and remove at the direction of the Construction Manager and/or any governing agency all temporary sediment and erosion control measures and devices, and stabilized construction entrances. For all permanent storm water management areas & permanent sediment traps required by the Contract Documents, the 02A Contractor is responsible for bulk excavation, grading, shaping, safety fencing, stabilization, and pipework. At temporary traps, the same scope as permanent applies, and the 02A Contractor has mucking, backfill, fill and compaction, back to subgrade. Permanent landscaping is by the 02A Contractor. The 02A Contractor is also responsible for any and all temporary erosion and sediment control measures as specified in Specification Section 015000.

7. The 02A Contractor is responsible for all snow and ice removal onsite throughout duration of project at all construction areas. Contractor should anticipate normal inclement weather conditions as defined by the 5 year average. The 02A Contractor shall grade all ruts on jobsite before any rain/snow events to maintain positive drainage.

8. The 02A Contractor is responsible for all temporary seed required for the site stabilization including maintenance and watering as required per the specifications.

9. The 02A Contractor is responsible for removal of multiple centrally located spoil stockpiles generated by utilities, footings, walls, electrical excavations, plumbing excavations, pits, etc. provided there will be no design grade / elevation changes from the contract documents.

10. The 02A Contractor is responsible for own dust control on site until project completion. This is limited to dust control created by the 02A package and various site activities (all vehicles and equipment maneuvering throughout the construction area). The 02A package is not responsible for controlling dust generated from within the building or building pad, or from cutting/mixing operations unless dust is created from a direct operation of the 02A contractor.

11. The 02A Contractor is to provide watering trucks for wet down of access roads, daily from April through November to eliminate Construction Activity Dust Pollutants for the duration of the project.

12. The 02A Contractor is responsible for all sheeting and shoring requirements to perform this scope of work if required. Contractor to coordinate final location with Construction Manager, 03A, 04A, and 05A contractors. Contractor is responsible to coordinate design loading of sheeting and shoring with live load operations adjacent to sheeting and shoring to allow all contractors to perform their work. Contractor to include temporary barriers, fences, wire rope railings and angles at all locations for safety reasons. Contractor to include jersey barriers at areas of construction traffic roadways. 02A Contractor shall furnish, install and maintain orange safety fence around the entire perimeter of all storm water management facilities. Orange safety fence shall be installed as required while the work is being performed or as directed by the Construction Manager. Orange fence is in addition to the required perimeter fencing.

13. The 02A Contractor shall provide for all site demolition shown or implied to include, not limited to, the complete demolition, removal, and disposal of all existing curb & gutter, asphalt paving & sub-base, concrete paving & sub-base, concrete sidewalks, concrete walls, concrete foundations, underground utilities, fences, gates, rails, ball hoops, signs, plants, lights, parking bumpers, backstops, courts, decks, wood ramps, monitoring wells, posts, nets, post footings, field equipment footings, walls (both permanent and temporary) , and the like. The 02A Contractor shall be responsible for salvage, protection, storage and relocations of existing site items as indicated and/or specified. All demolished items shall be removed and legally disposed of by this Contractor.

14. The 02A Contractor understands that the construction entrance(s) may have to be removed, altered, repaired, and / or replaced in order for the permanent storm system, water system, and electrical system to be installed. It shall be the 02A Contractor's responsibility to remove, alter, repair and / or replace and consistently maintain any and all aspects of the construction entrance for these systems to be installed. The 02A Contractor shall coordinate and prioritize its work as to eliminate impact to site access and / or the project schedule.

15. The 02A Contractor shall establish rough grade to within ± 0.10' sub-grade, to include proper compaction and elevations for sidewalks, pavements, drives, curbs, landscape, and / or topsoil areas. Landscape, topsoil and other open areas (excluding ball fields and play areas) to be graded to within +/- 0.20' of design elevation. The 02A Contractor shall furnish and install the backfill for curbs, gutters, and sidewalks to re-establish rough grade.

16. The 02A Contractor shall establish rough grade to within ± 0.10' sub-grade, to include proper compaction and elevations for building pad for acceptance by 03A Contractor.

17. The 02A Contractor shall establish rough grade for the installation of the pool Initial grade to be brought within +/- 0.10' of the pool deck subgrade elevation. After final shop drawings are approved, this contractor is to coordinate with the 13A Contractor for requirements of needed excavation, and this contractor is to perform mass excavation and subsequent backfill of pool installation.

18. Backfilling of all site walls, site foundations, and site slabs are the responsibility of the 02A Contractor.

19. The 02A Contractor shall will be responsible for any damage to existing roads, adjacent surfaces, curb and/or gutter damaged by the 02A operations.

20. The 02A Contractor shall prepare subgrade including furnishing and installing stone as required to tie in new asphalt and or concrete to existing at all required locations.

21. The 02A Contractor shall provide all fine grading and proof rolling as necessary prior to the installation of the sub-base course at asphalt areas.

22. The 02A Contractor shall provide all fine grading and proof rolling as necessary prior to the installation of concrete curb, gutter and flatwork.

23. The 02A Contractor is responsible to protect sub-base for concrete and asphalt work from weather, to ensure construction activities proceed on schedule.

24. The 02A Contractor shall furnish and install all stone under all flatwork concrete. Stone to be installed immediately prior to placement of concrete.

25. The 02A Contractor shall excavate, furnish and install #57 stone under exterior doorways, a minimum of 3' out from door or longer if door leafs are longer than 3', by width of doorway plus 1', by 3' deep. Coordinate isolation of two slabs to align with concrete scoring patterns as practical. Dimensions listed herein are minimum dimensions. Should the Contract Documents show greater dimensions then they shall take precedence.

26. The 02A Contractor shall furnish and place stone subgrade as required to establish proper elevations prior to asphalt paving.

27. The 02A Contractor shall grade all backfill so that water runs away from any structure.

28. The 02A Contractor includes all required termite control as required per the Contract Drawings and Specification Section 313116.The 02A Contractor is also responsible for all pest control as specified in Section 015000.

29. The 02A Contractor shall install and maintain all stabilized trailer/sea cans area and staging areas as indicated on the Site Utilization plan. At the direction of the Construction Manager, the Contractor shall remove and restore areas to a finished condition. In the event that the stabilized trailer staging area is installed at, around, or near any existing or future utilities that may need to be removed, repaired, and / or installed, this Contractor shall remove, adjust, and / or repair sections of these stabilized areas as necessary. The intent is for the 02A Contractor to install the underground SWM area at the West side of the site, under the new parking lot, as soon as possible and then stone, curb and base pave this lot to use as a staging/laydown area. Subsequent to the majority of construction of the new building, this lot will then be cleared and final paved prior to school opening, anticipated in Spring of 2021.

30. The 02A Contactor shall furnish, install, and maintain suitable temporary construction access roads as shown on the Site Utilization plan. Suitable maintenance of the access roads is defined as continual focused effort of turning over of stone, adding stone as needed, to minimize and or eliminate tracking. It is 02A responsibility to add new stone and fabric to achieve this suitable maintenance. The 02A Contractor shall remove the temporary roads and perform all necessary re-grading and restoration upon receipt of direction from the Construction Manager. Roads shall be adequate to support all construction traffic and equipment. The roads at a minimum shall be 20' wide, constructed of stabilizing cloth and 8" of #2 stone. At crane pad locations, assume two (2) locations comprised of 18" of gabion

stone, capped with 6" of #2 stone for a total section of 24". Damming of water will not be tolerated. Any temporary piping to allow drainage across roadways or crane pads is considered incidental and part of base bid costs. In the event that the stabilized area is installed at, around, or near any existing or future utilities that may need to be removed, repaired, and/or installed, this Contractor shall remove, adjust, and/or repair sections of these stabilized areas as necessary at no additional cost to Owner or Construction Manager. Asphalt millings and or "crusher run" will not be accepted at any roadways or crane pads.

31. Limits of new building pads shall extend a minimum of ten (10) feet beyond the building footprint where applicable around the entire perimeter of the building. Final grades shall be temporarily adjusted as necessary to meet this requirement. At the direction of the Construction Manager, the Contractor shall re-grade around the perimeter of the building to the final grades required by the Contract Documents inclusive of removal of temporary ring road(s) or parking areas. Backfilling of all building walls, foundations, and slabs shall be the responsibility of the 03A Concrete Contractor unless noted otherwise herein.

32. The 02A Contractor will close or cover all subgrade or excavation at the end of each work day unless exempted by Construction Manager's representative. Any unsuitable conditions caused as a result of contractor's failure to protect exposed subgrades will be remedied at contractor's sole expense and at no cost to the Owner or Construction Manager.

33. The 02A Contractor is responsible for removal of multiple centrally located spoil stockpile generated by all trades onsite, provided there will be no design and or grade and or elevation changes from the contract documents. For informational purposes only, this is anticipated to be approximately 4,500 cy, however this is in no way be interpreted as a stipulated sum, allowance or formal direction of quantity. Contractor is encouraged to perform own takeoff for this work as a full contract document set has been issued for use. Contractor is responsible for removal of any and all excess.

34. The 02A Contractor shall saw cut, remove, and dispose of existing asphalt as directed by Construction Manager. It is the intent to leave as much existing hard surface in place as long as practical.

35. Steel plates or other means need to be utilized to ensure traffic flow in and out of school site at all times as well as when working in public streets to allow continuous traffic flow.

36. The 02A Contractor shall install and maintain all wash rack(s) as directed by the Construction Manager. Contractor shall also be responsible for providing water to the wash rack(s) for respective trades own use. This system is to include water source, power source, pumps and hoses, and other necessary appurtenances. If hydrants are to be used, the 02A Contractor must procure, pay for, and utilize a water meter and backflow preventer. The 02A Contractor includes relocation and removal as necessary and directed by the Construction Manager.

37. During site grading operations, if contaminated soils are encountered, the 02A Contractor is to excavate and centrally locate a contaminated spoil stock pile onsite. The 02A Contractor will then be reimbursed via unit rates in the contract to either transfer suitable material onsite, or if directed, bring in new from offsite. All contaminated soil removal from site shall be by the 02A Contractor and reimbursed at cost per established unit prices in Specification 012200. Contractor acknowledges the difference between contaminated and unsuitable soils.

38. The 02A Contractor is responsible for keeping the streets clean of construction debris, mud, dirt etc. only if caused by this contractor's failure to properly maintain the construction entrance, stoned roadways, access roads, wash rack, etc. Maintenance of roadway debris caused by other contractor's general neglect to properly use the equipment and facilities provided by the 02A Contractor or Construction Manager, will be the respective contractor's debris to clean up and not the responsibility of the 02A Contractor.

39. The 02A Contractor is solely responsible for own fire protection and safety while onsite. This includes but is not limited to signage, barricades, fire extinguishers, covers, etc.

40. The 02A Contractor will engage the services of a private utility locating company and will test pit to further locate

existing utilities prior to commencing with work under this contract package.

41. The 02A Contractor shall install and maintain two (2) 4" PVC sleeves under site access road and cap for temporary power/telephone/cable at three locations. This is to be buried a minimum of 3 feet below proposed existing grade or proposed grade whichever is lower.

42. Stockpiling of topsoil onsite by the 02A Contractor will be extremely limited due to space restrictions. In the event there is a limited area available for 02A use, contractor shall strip, screen, stockpile, protect, test, amend and stabilize all topsoil as required by the contract documents and governing jurisdiction having authority requirements. The 02A Contractor shall re-spread topsoil in all areas provided the topsoil meets project standards as indicated on drawings. Topsoil on ball fields shall be motor graded to within plus/minus 1/10 of a foot of the design elevation. Maximum size of screen shall be ¾" sieve. Topsoil shall be a 4-8-inch layer, lightly compacted to minimum thickness of 4 inches. The 02A Contractor shall supply tested, screened, amended topsoil from offsite if and / or when the onsite quantities are insufficient.

43. The 02A Contractor to test and make all amendments to bring topsoil material within project specifications (topsoil amendments, sand (if required), organic matter, planting soil mix, anti-desiccant, tree paint, herbicide, etc). It is the contractor's responsibility to submit test results to Construction Manager for approval with required recommendations to bring material within project specifications, prior to the start of any topsoil work. This requires the Contractor to hire a third party independent testing agency for testing and soil amendment recommendations.

44. The 02A Contractor shall provide and install all forest conservation requirements to include, but is not limited to, all arborist reports, root and tree pruning, tree protection signs and fencing, deep-root fertilization, crown reduction, watering, vertical mulching, and all other items as required.

45. The 02A Contractor is to maintain grass cutting, tree and shrub trimming, and landscaping, throughout the duration of the construction project within the established LOD.

46. The 02A Contractor is to furnish, install, maintain and remove the temporary fencing as required. In general, the temporary fence shall mimic the Property Line, Limits of Disturbance, as well as Project Phasing. Contractor shall furnish, install, and maintain "No Trespassing" signs on all temporary construction fencing and gates at intervals of no greater than 100'.

47. 02A Contractor shall be required to mobilize and re-mobilize to the site at the Construction Manager's direction as part of base bid cost.

Site Utilities Specific Scope:

1. The 02A Contractor includes all bonds for Right of Way Work. Contractor shall comply with all MDOT rules and regulations for the work within Public Right of Way required for work being completed under this package.

2. The 02A Contractor will be responsible for entering into a Public Works Agreement on behalf of the Owner, as necessary. The cost for the work, permits, bonds, any estimates, and other administrative costs are to be included in base bid price ~~***inclusive of costs to obtain and install water meter***~~[4], despite any reference to the contrary. Once in service, monthly service fee for domestic water will be by Construction Manager until turned over to Owner at substantial completion.

3. The 02A Contractor shall furnish and install all storm water management facilities complete.

4. The 02A Contractor shall furnish, install, and maintain all structures, manholes, clean outs, and the like associated with its work as required by the Contract Documents for the entire duration of the project.

5. The 02A Contractor shall furnish, install, and maintain all concrete, reinforcing, rip-rap, stone and filter cloth related to this work for the entire duration of the project.

6. ~~***The 02A Contractor shall furnish and install all river rock, and level spreader gravel as indicated.***~~[4]

7. The 02A Contractor shall furnish, install, and maintain all required protection of inlets, structures, and any other erosion and sediment control device that is shown, implied, or required for the entire duration of the project at the Construction Manager's and/or governing agency's direction. The 02A Contractor shall remove and properly dispose of all protection after site is stabilized with approvals of Local Authorities, Owner and Construction Manager.

8. The 02A Contractor shall supply and install all plugs shown or required at all utilities that are removed.

9. The 02A Contractor shall, with the assistance of the CM, coordinate with all public utilities for the removal of the underground existing services. With approval of the Utility Company(s) it is the 02A Contractor's responsibility to either abandon in place (after grouting) or remove from the site as indicated. Cutting, capping, and or filling when abandoning in place as directed by the contract documents, is the responsibility of the 02A Contractor. ***There will be no support from 15A and 16A Contractors as these contracts will not be active. All connections to existing utilities are to be inspected by Frederick County Department of Public Works and authorities having jurisdiction. 02A Contractor is responsible for scheduling all inspections and notifying the Owner and the Construction Manager.***[5]

10. The 02A Contractor includes steel plates or other means need to be utilized to ensure traffic flow in and out of school site at all times as well as when working in public streets to allow continuous traffic flow. The 02A Contractor includes any and all Maintenance of Traffic as necessary for the work including submission of MOT Plan to the AHJ.

11. The 02A Contractor shall furnish and install a complete storm water drainage system including, but not limited to, all pipes, inlets, manholes, laterals, cleanouts, rip rap, geotextile fabric, observation wells, granite blocks, pipe anchors, gratings, bedding materials, foundations, cut off walls with rip rap outlets, storm trap systems, underdrains at the play areas & other locations as indicated, temporary fence at ponds, storm filters, flow splitters, sand filters, underground quantity control facilities, trash racks, and all related devices as required. The 02A Contractor shall flush the entire storm water drainage system at the direction of the Construction Manager and/or any governing agency, if required. All layout and surveying for this work is the responsibility of the 02A contractor. All as-builts of system must be performed during the course of construction. The 02A Contractor to include costs to perform this service with base bid and include all submission fees. As-builts are to include line and grade.

12. The 02A Contractor is to furnish and install all trench drains and area drains exterior to the building, and to coordinate installation with site concrete and asphalt.

13. The 02A Contractor shall furnish and install all storm work including but not limited to inlets, piping, trench drains etc. at the Courtyard/Outdoor Learning Areas.

14. The 02A Contractor shall furnish and install all micro-bioretention areas and storm water management areas complete. This includes any and all mulch, seed and plantings.

15. The 02A Contractor shall furnish and install complete sanitary sewer systems in accordance with local codes consisting of all piping, manholes, laterals, cleanouts, and all related devices as required. All layout and surveying for this work is the responsibility of the 02A Contractor. All as-builts of system must be during course of construction. The 02A Contractor to include costs to perform this service with base bid.

16. The 02A Contractor shall furnish and install a complete water system for potable water service and fire protection service outside the building in accordance with local codes consisting of all piping, manholes, laterals, valves, vaults, cleanouts, thrust blocks, hydrants, standpipes and all related fittings as required. The 02A Contractor to coordinate all inspections with Authority Having Jurisdiction (AHJ) during installation prior to backfill. All layout

and surveying for this work is the responsibility of the 02A contractor. All as-builts of system must be performed during the course of construction. The 02A Contractor to include costs to perform this service with base bid.

17. The 02A Contractor is responsible to bring both the domestic and fire protection service to a point within 5' of the building exterior as shown. The 15A Contractor is then responsible to bring both services into the building from five feet outside of the building. Once into the building the 15A Contractor is responsible for the pipe, fittings, flanges up to and including the backflow preventer for the sprinkler service. The 15B Contractor will be responsible to begin work at the building side flange of the backflow preventer. The 15A Contractor is responsible for certification of backflow preventer.

18. The 02A Contractor is responsible for protection of utility piping, manholes, manhole covers, cleanouts, drains, trench drains, inlets, etc. being furnished and installed under this package. Protection to be either steel plates or adequate wood dunnage.

19. The 02A Contractor shall furnish and install all outside site utilities systems completely including all testing and proper connection to the appropriate system outside the building. Contractor shall extend its piping from the indicated utility connection to a point five (5) feet from the building line or to a point farther and / or than five (5) feet from the building if it is specifically indicated as such in the contract documents.

20. The 02A Contractor will close or cover all utility excavation at the end of each work day unless exempted by Construction Manager's representative. Any unsuitable conditions caused as a result of contractor's failure to protect trenches or exposed subgrades will be remedied at contractor's sole expense and at no cost to the Owner or Construction Manager.

21. The 02A Contractor shall saw cut, remove, and dispose of existing asphalt to complete work under this package. Contractor shall provide all temporary protection requirements of these areas (steel plates, temporary patch, etc.) as required by the governing authority until the permanent infill can be completed.

22. The 02A Contractor shall provide temporary patching of existing asphalt and or concrete in existing roads and sidewalks as needed for the connection of utilities. The 02A Contractor shall saw cut, remove, and dispose of temporary patches for the utilities when necessary and furnish and install the permanent concrete or asphalt requirements at these location at the time and direction provided by the Construction Manager and approved by AHJ.

23. Prior to commencing with work, the 02A Contractor shall video scope all existing storm and sanitary lines scheduled to remain and report to the Construction Manager if they are clear and in good working condition or if any obstruction is discovered. If an obstruction is encountered, the Contractor will provide specific location to Construction Manager as part of base bid costs. Contractor shall, include in base bid costs to provide jet blast/vacuum services and any other equipment required for removal and disposal of debris and silt. Costs shall be for equipment, labor, disposal, and all incidentals for twenty (20) hours. After 02A work is substantially complete, 02A Contractor will video scope all pipe work including existing to remain piping and, if necessary, remove any obstruction at no cost change as inlet protection and continued maintenance is the 02A Contractor's responsibility during the course of construction.

Site Concrete & Retaining Wall Specific Scope:

1. The 02A Contractor shall provide all necessary permits, fees, and coordination with inspections that may be required. This includes wall building permits.

2. The 02A Contractor shall provide all saw cutting, to connect with existing curbing and concrete as required by the Contract Documents.

3. The 02A Contractor shall patch and repair any damage to existing roads, adjacent surfaces, and curb and gutter damaged by the 02A operations.

4. The 02A Contractor shall provide layout and surveying to allow furnishing and installation of all concrete, reinforcing, formwork, excavation, backfilling, fine grading, fill, gravel(including granular backfill where called out), weep holes, water stops, perforated PVC under drains/drain tile at its work (including stone and filter fabric), bio-barriers (where called out), fence sleeves, waterproofing, support chairs, concrete pumping, control joints, expansion joints (zip cap type), expansion filler, welded wire mesh, scoring joints, hot/cold weather protection and the like for all of the following site concrete items:

    a) curb and gutter
    b) sidewalks (regular and heavy duty) including all the way up to the face of building / face of door and the like
    c) turn down slab details with all associated stone
    d) platforms / stoops
    e) concrete paving
    f) integrally colored concrete at Outdoor Learning
    g) concrete collars at exterior cleanouts in greenspaces
    h) exterior reinforced concrete pad(s) (not including generator or transformer pads which are by 03A)
    i) concrete stairs, landings, and pads at the exterior
    j) concrete at exterior ramps
    k) mow strip(s) at fencing
    l) mow strip at building if indicated
    m) concrete site walls, including formliner walls as indicated
    n) concrete at and installation of exterior site bollards (bollards to be furnished by 05A)
    o) concrete curbs at dissimilar material such as grass to mulch, planting area to stabilized gravel path, etc.
    p) concrete storm drain bypass swales
    q) and any other site concrete item called out within the drawings and specifications unless noted otherwise

5. The 02A Contractor shall seal all exterior concrete called out to be sealed per the contract documents. The 02A Contractor shall provide one additional coat which will be applied just prior to substantial completion as directed by the Construction Manager. In regards to the kitchen health inspection, the 02A Contractor includes sealing of the dumpster pad location per the health inspector's requirements.

6. The 02A Contractor shall install and protect threaded and / or embedded items to prevent bending, deformation and corrosion. The 02A Contractor shall repair or restore all damaged threaded and / or embedded items prior to commencement of installation on these embedded items.

7. The 02A Contractor shall receive, unload, inventory, sign for and accept all embedded items furnished by other Contractors for installation within the 02A Contractor's work. The 02A Contractor shall properly store and protect items furnished by others.

8. The 02A Contractor to protect concrete, CMU, brick and stone walls and / or adjacent finishes from splashing caused by concrete placement. If concrete splashes on walls and / or adjacent finishes, then the 02A Contractor shall be responsible for the removal of the splashed concrete.

9. The 02A Contractor shall furnish and install all moisture retaining covers and curing compounds as required to complete own work.

10. The 02A Contractor includes installation of zip cap expansion joint material, and all associated caulking of own work, inclusive of removing plastic cap and proper preparation prior to application of sealant.

11. The 02A Contractor will provide all winter and summer concrete measures, if necessary, for concrete for this scope of work.

12. The 02A Contractor shall provide and install all curb and gutter "inlet throats" as required.

13. The 02A Contractor includes broom sweep and power washing as necessary within one week prior to substantial completion of all concrete installed under this package.

14. The 02A Contractor shall furnish and install cast in place Tile detectable warning surfaces at all handicap ramps. Color shall be safety yellow if not specified.

15. ~~***The 02A Contractor shall furnish and install all segmental retaining walls as required per Specification Section 323223.***~~[4]

16. In the event rail, chainlink or decorative the top of a ~~***segmental***~~ ***retaining***[4] wall, the 02A contractor is to coordinate and install sleeving requirements as core drilling will not be acceptable in this situation.

17. It is the intent of the CM to curb and base pave the west parking lot of Rock Creek in the Fall of 2019 and utilize it as suitable laydown area for the duration of the project. Contractor to assume replacement of 10% of the curbline and 10% base asphalt repair will be required and is included in base contract work, prior to being able to final pave this area which is anticipated in Spring of 2021. As the new Rock Creek will be occupied NLT than April 2021, this area will also need to be temporarily striped, and redone in a permanent fashion once final paving occurs, all as part of base bid costs.

Site Asphalt Paving Specific Scope:

1. The 02A Contractor shall provide all necessary permits, fees, and coordination with inspections that may be required.

2. The 02A Contractor shall clean off all utility covers, curbs, sidewalks, and any other installed items of asphalt products in the paved areas.

3. The 02A Contractor shall furnish and install all asphalt base (binder) courses, tack coats, overlay binder coats, overlay protective membranes, overlay protective membrane strips, asphalt surface courses, bitumastic sealants and/or rubber sealants.

4. The 02A Contractor includes all milling as required.

5. The 02A Contractor shall provide all saw cutting, wedging, and leveling to connect with existing paving as required by the Contract Documents.

6. The 02A Contractor shall patch and repair any damage to existing roads, adjacent surfaces, and curb and gutter damaged by the 02A operations.

7. Construction Manager reserves the right to schedule the installation of the base course of asphalt paving and then the surface course of asphalt paving as two separate construction events.

8. It is the intent of the CM to curb and base pave the west parking lot of Rock Creek in the Fall of 2019 and utilize it as suitable laydown area for the duration of the project. Contractor to assume replacement of 10% of the curbline and 10% base asphalt repair will be required and is included in base contract work, prior to being able to final pave this area which is anticipated in Spring of 2021. As the new Rock Creek will be occupied NLT than April 2021, this area will also need to be temporarily striped, and redone in a permanent fashion once final paving occurs, all as par of base bid costs.

9. Asphalt Binder Escalation: An adjustment will be made to the final Contract Sum if the price of asphalt binder fluctuates from the prevailing price as quoted here to the actual price on the date of placement. The Contract Sum will be adjusted if asphalt binder fluctuation is above 10% or below negative 10%. Only the differential percent change beyond the above noted 10% will be used.

For the purpose of making these calculations, a monthly price index is maintained by the MD State Highway Administration. This index is the average FOB selling price of asphalt binder at the supplier's terminal in the State of Maryland.

Contract price adjustment will be computed monthly by using the following formula:

F= (PP-Pb)/Pb

Where:

F	=	price increase/decrease of asphalt binder, expressed as a decimal
PP	=	index price of asphalt binder per ton at placement date
Pb	=	the prevailing index price of asphalt binder per ton in September 2015, as specified by MDSHA.

Contract Price adjustment due to Contractor or Owner when price of asphalt binder does not increase or decrease significantly
(i.e.: -0.10 >F>0.10) – Zero Dollars

Contract price adjustment is due to Contractor as a cost to Owner when price of asphalt binder increases significantly

(i.e. F>0.10) – A= [(F-0.10) x T x Pb] x Tons
Contract price adjustment is due to Owner as a credit to Contractor when price of asphalt binder decreases significantly
(i.e. F< -0.10) – A= [(F-0.10) x T x Pb] x Tons

Where:

A	=	Addition / Deduction to Contract Sum
F	=	price increase/decrease of asphalt binder, expressed as a decimal
T	=	design target asphalt content as stated in the asphalt manufacturer's mix design for base or surface course expressed as a decimal
Pb	=	the prevailing index price of asphalt binder per ton in June 2019 as specified by MDSHA
Tons	=	ACTUAL Tonnage of Hot Mix Asphalt Base or Surface (Base & Surface Mix cost increase/decrease will be calculated separately using the design target asphalt contents for each per "T" above), as documented by certified, dated, weighted tickets furnished by the asphalt manufacturer.

Please note that the Contract Price Adjustment does NOT include Overhead & Profit markup, which will not be allowed or required on adjustments due the Contractor or Owner. The Contract Price Adjustment also does not include a state sales tax or bond markup, but these markups/markdowns will be allowed/required on both adjustments due the Contractor and Owner.

Road and Parking Accessories Specific Scope:

1. The 2A Contractor shall adhere to all Maryland Department of Transportation State Highway Administration's current Standard Specifications for Construction Materials and the ANSI D6.1-1971 Manual on Uniform Traffic Control Devices for Streets and Highways.

2. The 2A Contractor shall adhere to the product delivery, storage, handling, project conditions, products/materials, surface preparation, application, protection, and restoration requirements outlined within the project specifications and drawings.

3. The 2A Contractor shall coordinate and work with the Construction Manager with regard to the Fire Marshall's requirements in regards to fire lane striping, signage and the like.

4. The 2A Contractor shall adhere to the sign location and installation requirements outlined within the project specifications and drawings.

5. The 2A Contractor shall layout and paint all parking lot striping to include, but is not limited to all parking spaces, regular handicapped spaces, van accessible spaces, parahatch areas at handicapped spaces, bus spaces, traffic arrows, center lines, stop bars, hard play surface markings, pedestrian crosswalks etc.

6. The 2A Contractor shall furnish and install all concrete wheel stops and fire lane curbing paint and associated stenciling.

7. The 2A Contractor shall layout and paint all site stenciled markings, including those at the hard play surfaces.

8. The 2A Contractor shall furnish and install all posts and signs for site including but not limited to handicapped signs, van handicapped signs, drug free school zone signs, do not enter signs, student drop off signs, fire lane signs, no parking anytime signs, buses only signs, staff parking signs, high efficiency vehicle signs, one way signs, no U-turn signs, reserved only signs, inclusive of required concrete and or pourable fill ,etc.

9. The 02A Contractor includes any and all thermoplastic markings as required. The 02A Contractor shall provide all traffic control for their work.

10. The 02A Contractor shall perform any existing striping removal as required.

11. It is the intent of the CM to curb and base pave the west parking lot of Rock Creek in the Fall of 2019 and utilize it as suitable laydown area for the duration of the project. Contractor to assume replacement of 10% of the curbline and 10% base asphalt repair will be required and is included in base contract work, prior to being able to final pave this area which is anticipated in Spring of 2021. As the new Rock Creek will be occupied NLT than April 2021, this area will also need to be temporarily striped, and redone in a permanent fashion once final paving occurs, all as part of base bid costs.

Fencing, Guardrail and Gates Specific Scope:

1. The 02A Contractor shall provide all necessary permits, fees, and coordination with inspections that may be required.

2. The 02A Contractor shall furnish and install all chain link type site fencing related items to include, but is not limited to, posts, rails, braces, bracing assemblies, galvanizing, powder coating, high performance coatings, bottom tension wire, continuous top rails, continuous bottom rails, continuous mid rails, fabric, terminal posts, line posts, gate posts, hinge posts, terminal & gate post bracing assemblies, stretcher bars, sleeves, non-shrink grout, gates, hardware, accessories, tie wire, grounding, padlocks, knox boxes and/or knox locks, excavation for posts, concrete formwork/sonatubes, concrete for posts, fence line grading, and the like for a complete scope of work.

3. The 02A Contractor shall furnish and install, access gates and / or man gate assemblies to include, but is not limited to, the following locations: play areas, yards, drive lanes, and parking lots.

4. The 02A Contractor shall furnish, provide layout, and installation for the sleeves needed for the fence posts located on top of concrete walls.

5. ~~***The 02A Contractor shall furnish and install all vehicular guardrails as indicated.***~~[4]

6. In the event a decorative rail by the 05A contractor is within the top of a ~~***segmental***~~ ***retaining***[4] wall, the 02A contractor is to coordinate and install sleeving requirements of the 05A contractor

5. The 02A Contractor to include one lock with two keys for each gate; locks to be per specifications. All locks shall be keyed alike.

6. The 02A Contractor to provide warranty for fifteen years for all coated fencing against peeling, cracking and corrosion, if not specified otherwise elsewhere.

~~***7. The 02A Contractor shall furnish and install all timber guardrails per Contract Documents.***~~[4]

Landscaping Specific Scope:

1. The 02A Contractor shall provide all necessary permits, fees, and coordination with inspections that may be required.

2. The 02A Contractor includes all bonds for Right of Way Work. Contractor shall comply with all MDOT rules and regulations for the work within Public Right of Way required for work being completed under this package.

3. The 02A Contractor shall layout all landscaping with flagging and receive approval from the landscape architect prior to installation.

4. The 02A Contractor shall provide and install all landscape plantings to include, but not limited to, all guarantees, certificates, submittals, delivery, storage, plants, trees, shrubs, stakes for supporting trees, wires for guying trees, mulch, and the like to complete all landscape plantings shown or as reasonably implied within the drawings and specifications.

5. The 02A Contractor shall furnish water and necessary temporary irrigation equipment as required for healthy plant growth.

6. The 02A Contractor shall provide and install all seeding and sod to include, but is not limited to, guarantees, certificates, submittals, delivery, seed mixtures, sod types, mulch, hydraulic seeding, sod stakes, water, protection, restoration, cleaning, maintenance, turf inspections / reviews by a qualified turf agronomist, and the like to complete all seeding and sod shown or reasonably implied within the drawings and specifications.

7. The 02A Contractor shall excavate for, backfill and furnish and install and set in place all boulders as indicated.

8. The 02A Contractor shall provide and install all forest conservation requirements to include, but is not limited to, all arborist reports, supervision and monitoring, root and tree pruning, tree protection signs and fencing, deep-root fertilization, crown reduction, watering, vertical mulching, wood chip and moisture monitoring, and all other items as required.

9. The 02A Contractor shall provide and install all maintenance requirements to include, but is not limited to, maintaining all plants and turf in a healthy condition. Contractor shall provide for all pruning, cutting, watering, fertilizing, cultivating, weeding, mulching, tightening / repairing of staking, setting plants to proper grades or upright in position, restoration of the planting saucer, and furnishing / applying sprays and other items as necessary to keep the plantings free of insects and disease and in a thriving condition. Maintenance shall begin immediately after each planting is completed and shall continue as required per the project specifications.

10. The 02A Contractor includes all mulching, pretreatment of mulched areas, inclusive of mulch walkways, mulch at planting areas, play areas, raised planter areas, maintenance of mulching etc.

11. The 02A Contractor includes all portable drip irrigation bags, and edging as required.

12. The 02A Contractor shall furnish and install permanent seed and sod with stabilization as required including curlex or erosion control matting at severely sloped areas.

13. The 02A Contractor shall furnish and install all brick pavers per Contract Documents.

Site Furnishings Specific Scope of Work:

1. Contractor shall furnish and install all site amenities, to include but limited to bike racks, benches, trash receptacles, etc. inclusive of required accessories. Contractor shall provide all drilling/core drilling, anchoring materials, and the like to complete the installation of the items. Contractor to coordinate, furnish and install foundations required for these items. Concrete for flagpole installation is the responsibility of 06A. All other concrete required for installation of the site furnishings, i.e. sidewalks, footings etc., is by the 02A Contractor.

2. All furnishings are to be installed level, plumb and true and securely anchored or positioned at locations as indicated on drawings.

Playground Equipment and Surfacing Scope:

1. The 02A Contractor shall provide all necessary permits, fees, and coordination with inspections that may be required.

2. The 02A Contractor to furnish and install all playground structures, complete with associated layout, surveying, excavation, backfill, grading, shaping of soils, concrete, play components, fasteners, supports, footings, ground cover, edging and all final surfacing etc., located per the drawings and specifications.

3. The 02A Contractor to furnish and install all shade structures, pavilions and canopies at Outdoor Learning. Aluminum canopies and walkway covers at the Bus Loop shall be by ~~*06A*~~ ***05A*** [3] Contractor.

4. The 02A Contractor to furnish and install underdrain systems with connections to storm sewer system, as well as proper grading of subgrade and installation of concrete boarders and edging of play areas for playground surfacing.

5. The 02A Contractor to furnish and install all playground surfacing and subbase as required.

6. The 02A Contractor to furnish and install all synthetic turf as located at Outdoor Learning.

7. The 02A Contractor shall furnish and install all stone subbase at Outdoor Learning per Contract Documents.

8. The 02A Contractor shall furnish and install all raised planters, planter boxes with associated planting media, ~~*bridges*~~[4], pavers, concrete including stamped concrete, boulders, stepping stones, picnic tables, benches, ~~*"step up with handrails"*~~[4], etc. at Outdoor Learning.

Exterior Court Athletic Equipment:

1. The 02A Contractor to furnish and install all exterior athletic equipment including, but not limited to, basketball hoops per Specification Sections 116823.

2. All foundations for exterior gymnasium equipment are to be installed by the 02A Contractor.

3. The 02A Contractor includes all excavation, backfill and concrete for all equipment being provided by this scope.

4. The 02A Contractor includes coordination with other contractors for placement of all sleeves, inserts, anchors etc. for items furnished and installed under this scope of work.

Miscellaneous Scope / Scope Coordination with other trades:

1. All site demolition is by the 02A Contractor.

2. The 02A Contractor shall, with the assistance of the CM, coordinate with all public utilities for the removal of the underground existing services. With approval of the Utility Company(s) it is the 02A Contractor's responsibility to either abandon in place or remove from the site as indicated. Cutting , capping, and or filling when abandoning in place as directed by the contract documents, is the responsibility of the 02A Contractor.

3. The 16A Contractor is responsible to coordinate removal or relocation of all overhead and underground utilities such as power, cable, telephone, data, street lighting, etc. in direct conflict with new entrance ways or final structure. All actual cost of physical removal (as indicated) for both overhead and underground utilities, including conduits, pipes, poles, foundations, etc. are the responsibility of the 02A contractor and is considered base bid.

4. The 02A Contractor shall supply and install all plugs shown or required at all utilities that are removed.

5. At utility trenches, if contaminated soils are encountered, the 02A Contractor is to excavate and centrally locate a contaminated spoil stock pile onsite. The 02A Contractor will then be reimbursed via unit rates in the contract to either transfer suitable material onsite, or if directed, bring in new from offsite. All contaminated soil removal from site shall be reimbursed at cost per established unit prices in Specification 012200 by the 02A Contractor.

6. Concrete, waterproofing of concrete, and below grade insulation at building concrete walls is the responsibility of the 03A Contractor. All stone and drain tile system for the entire building inclusive of excavation and backfill is the responsibility of the 03A contractor. CMU, waterproofing of CMU and below grade insulation at new CMU foundations for the entire building is the responsibility of the 04A Contractor. The 04A Contractor does not excavate or backfill; 03A to excavate and backfill at CMU walls below grade.

7. The 02A Contractor is responsible for fire hydrant flushing. Fire pump testing is the responsibility of the 15B contractor.

8. The 02A Contractor is only responsible for the flushing of the domestic water line to achieve a passing test for chlorination. The 02A contractor is not responsible for a flow test if required by the Fire Marshall; this will be the 15B contractor's responsibility.

9. The 03A package includes any building or site concrete footing, wall, slab, ramp, or stairs, which connect to the building or overhanging structure. Generator(s), transformer/transfer switch pad(s), grease trap and or interceptor pads and/or flotation collar and building concrete retaining walls are part of the 03A Package. All footings and piers for canopies, protective covers, etc. are part of 03A scope of work. All footings and piers required for play areas, site athletic equipment, site furnishings, are by the Contractors installing these items. Any concrete stairs, walls and ramps outside of the building footprint not shown on the building structural plans are by the 02A Contractor , including backfill to proposed subgrade for areas that receive sidewalks and ramps. Sidewalks and mow strips at the exterior building perimeter are included in the 02A package.

PART 3 – ALTERNATE SCOPE OF WORK

1. Contractor has reviewed the Alternates scope of work listed elsewhere within the specifications and has included all costs in the event the Owner elects to proceed in whole or in part.

2. Contractor has reviewed the Unit Prices scope of work listed elsewhere within the specifications and has included all costs in the event the Owner elects to proceed in whole or in part.

PART 4 – ALLOWANCES

1. In the event a sink hole or other soil related concern is discovered while performing this scope of work, this contractor has included an allowance of $50,000 to be used at the Owner's for remediation In the event the cost of this work exceeds this allowance an additive change order will be issued. In the event all monies in this

allowance is not exhausted, a deduct change order will be issued for any unused portion.

2. In the event unsuitable soils are discovered while performing this scope of work, this contractor has included an allowance of $25,000 to be used at the Owner's discretion for remediation. In the event the cost of this work exceeds this allowance an additive change order will be issued. In the event all monies in this allowance is not exhausted, a deduct change order will be issued for any unused portion.

3. In the event contaminated soils are discovered while performing this scope of work, this contractor has included an allowance of $15,000 to be used at the Owner's discretion for remediation. In the event the cost of this work exceeds this allowance an additive change order will be issued. In the event all monies in this allowance is not exhausted, a deduct change order will be issued for any unused portion.

END OF 02A SECTION

PART 2 – SPECIFIC SCOPE OF WORK

1. Contractor has reviewed and understands the Contract Package / Specification Cross Reference listed under Section 002413.

2. Contractor includes General Scope of Work listed under Part 1 of Section 002416.

3. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the Site work in accordance with the complete set of Contract Documents.

4. The Contractor shall perform at least 30% of this Package by cost with the Contractors own, in-house work forces. Subcontracting or brokering more than 70% of the work shall not be permitted.

Steel Specific Scope of Work:

1. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the Steel work in accordance with the complete set of Contract Documents.

2. Contractor shall furnish and install all interior and exterior structural steel, steel joists, metal decking, and framing for all roof openings and roof screen framing.

3. Contractor shall furnish and install all architectural and miscellaneous metal fabrications including, but not limited to, all gratings, ladders, rails, steel stairs, metal pan stairs, circular stairs, removable pre-engineered platform and stairs, stair nosings (furnish only), bollards (furnish only), galvanized metal pour stops, wall bracing, overhead door jamb channels, angles, steel angle fasteners, sump pump frames / grates, bent plates, security gates, swing gates, pipe gates, racks, swivel hooks, tracks, bracing, nelson studs, closures, hangers, hooks, yokes at spaces, ships ladders, alternating tread ladders, roof ladders includes serrated grab bars, decorative ornamental metal, angles at elevator door sills, aluminum and stainless steel at trench drains, and all other miscellaneous and ornamental items that are required as indicated. Note that the bollards and embedded nosings will be installed by the 03A Concrete Contractor.

4. Contractor shall furnish only all anchor bolts, nuts, washings, leveling plates, interior and exterior bollards, bearing plates, bent plates, pads, straps, ties, bridging, deck plates, gauge plates, fabricated lintels and hung plates, loose lintels, bent plates, angles, ***standoffs[4]*** and all other embedded steel for the entire project in which other trades are installing. 15A or 15B is to provide own steel lintels or sleeves for all openings in walls for 04A to install for duct or pipe openings not called out on structural plans.

5. 04A Contractor shall install only all loose and or bolted horizontal steel members, such as angles, beam lintels, anchor bolts (embedded in masonry), structural angles, structural tubing attached to masonry, ***stainless steel pipe standoffs at the site sign[4]*** and the like that are supplied by others. Contractor shall grout all bearing / leveling plates at all CMU walls. If a steel member has a welded connection, and or requires a crane or boom truck (more than the masons lull) to set, 5A to set and connect.

6. Contractor to furnish and install all interior and exterior as well as site, stainless steel, aluminum, galvanized and/or painted steel decorative railings, typical railings handrails and guardrail systems complete, as indicated.

7. The 05A Contractor shall furnish and install all interior and exterior railings, handrails, guardrails etc. All railing or post sleeves will be core drilled by this Contractor if in concrete or masonry (if acceptable, otherwise sleeving requirements are to be furnished and coordinated by this contractor). In the event they are within the top of a segmental wall, this contractor to closely coordinate sleeving requirements with the 02A Contractor. Contractor shall ensure that railing posts are set in non-expansive materials. Exterior chain link type site fences and vehicular guardrails are by 02A.

8. Contractor shall furnish and install galvanized window well grates and frames if required.

9. The 05A Contractor shall furnish and install all steel work associated site monument signs, ***with the exception of steel pipe standoffs, which are to be furnished to the 04A Contractor for installation.[4]***

10. All exposed steel must be of a finished quality, without defects or numbering. For marking of steel, use only markers that will not bleed through paint.

11. Contractor will provide caulk or metal plate as necessary to provide a tight closure between stringer and wall

12. Site access will only be provided per Contract Package descriptions. Crane size and material deliveries must be coordinated accordingly. In the event 05A finds the storage area/access inadequate, 05A to bear cost to modify to their satisfaction as part of base bid cost to comply with OSHA requirements.

13. Contractor includes furnish and install of miscellaneous metals for support of toilet compartments, clinic curtains, projection screens, stage curtains, athletic equipment, roof top equipment, metal framed walls, ***patient care equipment[4],*** mat hoists, etc. as indicated.

14. Contractor to provide prime shop coating, field painting, and touch up as required for all structural steel, joists, and miscellaneous metals. 05A Contractor will install bitumastic paint on columns if required below grade.

15. 05A Contractor to include all work as required per Specification Section 072163 Fluid Applied Insulative Coatings at the locations indicated.

16. Unless specified as stainless steel, contractor to shop galvanize any metals which remain exposed to exterior elements per the specifications.

17. Contractor shall provide all masonry anchors attached to steel. Contractor to coordinate each of the trades as necessary to determine the exact type of anchor required. Contractor shall furnish all anchor bolts for the parapet wood blocking and any other wood shown to be anchor with anchor bolts.

18. Contractor shall furnish and install all epoxy bolts/nuts/washers as necessary (including the epoxy).

19. Contractor shall furnish and install all swing hooks including, but not limited to, all angle steel, tube steel, steel plate, threaded holes, and stainless-steel threaded hooks.

20. Contractor shall coordinate with each of the trades to provide all steel framing, supports, openings, sleeves, and bracing that is required.

21. Contractor shall furnish and install all metal deck and framing patch and infill required at existing openings after demolition of rooftop equipment or penetrations. Contractor also includes all deck and framing at slab infill locations.

22. Contractor shall immediately provide and maintain MOSH compliant temporary handrails at all steel pan stairs, safety rails at all slab edges, stairwells, roof edges, slab openings, roof openings, elevator openings, and penthouses. Handrails shall be maintained and removed by this Contractor at the direction of the Construction Manager. Contractor also has installation and maintenance of safety cables at all slab edges and openings ***~~created after completion of the demolition at areas are to remain~~[5]***. Contractor includes removal of safety cables and angles ground below concrete prior to the start of finishes.

23. Contractor shall touch up and paint / field galvanize all welds including, but not limited to, those welds at all joists, beams, columns, moment connections, metal decking, and any other steel or miscellaneous metals item supplied by this Contractor. For galvanized material, contractor to minimize field welding on galvanized metals. Galvanized materials should be fabricated in the longest practical lengths to avoid field repairs to the galvanized coating. All galvanizing holes are to be plugged and touched up at shop prior to field installation.

24. Contractor shall provide field beam penetrations where approved by the structural engineer.

25. 05A Contractor shall coordinate the joist and beam layout with the 15A, 15B and 16A Contractors and shift the layout as necessary to accommodate the work of these contractors prior to fabrication and at no additional cost to the Owner, given structural engineer approval. 05A Contractor includes coordination of x-bracing to accommodate ductwork in joist space where necessary. Where duct is required to be installed within joist bays, contractor to modify bridging as required to allow for installation of duct at no cost.

26. Contractor shall furnish and install all lintels and hung plates attached to steel and shall, by use of instrument or other accurate device, ensure that all lintels and hung plates are set to proper line and grade and measured from established control points.

27. Contractor to coordinate hung plate length(s) with masonry opening size to ensure end gaps of plate are not more than 1/4" so caulking contractor can provide adequate seal.

28. Contractor shall provide anchor bolt drawings and templates to both the Construction Manager and the Concrete Contractor within thirty (30) days of receiving a Letter of Intent, Notice of Award or the Contract, whichever is issued first.

29. Contractor shall provide a complete survey and verify anchor bolts locations. Survey to be completed at foundation completion but no later than two (2) weeks prior to erection of steel and must be submitted within two weeks of completion of survey. Contractor will notify the Construction Manager of any discrepancies or variations. If the Contractor does not advise the Construction Manager prior to the erection of steel, then the cost of the correcting any discrepancies or variations shall be the sole responsibility of this Contractor. The survey results shall include only those bolts/plates that are out of tolerance. Results shall be presented in 8-1/2" x 11" format (one (1) page per location) and shall show actual location/elevation of bolts/plates referenced from appropriate grid line/datum.

30. Contractor shall furnish, install, reconfigure, maintain, and remove all OSHA specified protection required in relation to its work at the direction of the Construction Manager. Contractor shall cover and provide fall protection for all openings in metal deck created by this Contractor.

31. Contractor shall furnish, install, reconfigure, maintain, and remove barriers in areas where steel is being installed and around the entire perimeter of elevated floors and roofs. Contractor shall provide the proper barriers to prevent people from entering areas steel is passing over.

32. Contractor shall review all documents for locations of openings in the Roof System that will be required by others. Contractor shall furnish and install all structural supports, angle, and safety rails for these openings. Contractor will be responsible for all openings shown on all drawings in its work.

33. Contractor shall protect all adjacent work and structures from welding sparks, slag, or any other results of this Contractor's work. Contractor to include all necessary fire watches.

34. Contractor shall coordinate with all other trades to properly set items supplied by this contractor and embedded or otherwise installed by others.

35. Contractor shall coordinate with all other trades which require access through structural elements.

36. Contractor shall coordinate with the 04A Contractor and confirm in the field to assure that wall mounted handrail connections on masonry walls are fastened through solid grouted CMU.

37. Contractor has reviewed existing site conditions and access roads for confirmation of delivery of long span items. In the event deliveries cannot be made, contractor to field splice items on site as necessary at no added cost to the Owner or Construction Manager. Design and engineering of field splices are considered base bid.

38. Initial testing and inspection costs are by Owner. In the event of a failed inspection due to a result of negligence, poor workmanship, or failure of work to meet the requirement of the documents, all re-inspection fees will be back charged to this contractor.

39. Installation of embeds and anchor bolts are by others. This contractor responsible for any subsequent welding of joists, beams, angles, lintels, hung plates etc. to embed set by others.

40. Grouting of base plates is by others.

41. Final field painting unless noted as included in above scope is by others.

42. Contractor will provide 5/8" plywood protection, with welding blankets while working in/or around finishes spaces such as roofs, casework, VCT, carpeting, wood flooring, or flooring to remain etc. Any damage to other trades work caused by this contractor will be charged accordingly to this contractor.

43. This contractor includes all snow removal from roof deck so the installation of roof decking is not impeded. This removal is to commence no later than 24 hours after snow event.

44. Contractor to include angle frame, ladder and grating at all sump pits capable of supporting no less than 300 lbs.

45. Any wall penetration required by other trades which has a diameter or horizontal dimension greater than 12" shall require a lintel or sleeve be installed. Locations which are to be steel beam or hung plate which are clearly called out on the structural drawings and will be furnished by 05A, and depending on connection, installed by either 04A or 05A. Both the 15A, 15B and 16A contractors are to furnish pipe sleeves regardless of pipe size, installed by 04A or 09A. For all duct/damper openings above ceiling, 15A is to provide steel angles, installed by 04A. For all duct/damper openings below ceiling and exposed, it is assumed to be a concrete U lintel, precast lintel or bond beam, where allowed by the structural drawings, by 04A. All openings in fire walls are to have either a precast lintel, concrete U lintel or concrete portal. Steel is not permitted in fire wall openings. In the event it is a concrete portal, all reinforcing and concrete is by 03A. If detailed as a precast lintel or concrete U lintel, they are furnished and installed by 04A.

46. As this is an aggressive schedule, fabrication and delivery of material is key to making this schedule. Contractor has reviewed the Preliminary Schedule fabrication durations and acknowledges to meet or improve the durations listed by any and all means necessary; inclusive of second and or third shift operations during fabrication as well as multiple dedicated shipments to the site each week.

Metal Walkway Covers Specific Scope:

1. Contractor shall design, furnish and install all metal canopies and walkway covers complete including, but not limited to all aluminum members, fasteners, installation accessories, protective coatings, grout, gaskets, aluminum flashing, columns, beams, deck, fascias, closures, and finishes as required per the Contract Documents and Specification Section 107326.13

2. All concrete footing design and installation is to be by the 03A Contractor. This contractor is responsible for all coordination as required, including, but not limited to furnishing all embedded items.

PART 3 – ALTERNATE SCOPE OF WORK

1. Contractor has reviewed the Alternates scope of work listed elsewhere within the specifications and has included all costs in the event the Owner elects to proceed in whole or in part.

PART 4 – ALLOWANCES

1. There are no allowances with this scope of work.

END OF 05A SECTION

PART 2 – SPECIFIC SCOPE OF WORK

1. Contractor has reviewed and understands the Contract Package / Specification Cross Reference listed under Section 002413.

2. Contractor includes General Scope of Work listed under Part 1 of Section 002416.

3. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the ~~***Site***~~ ***General Trades*** [3] work in accordance with the complete set of Contract Documents.

4. The Contractor shall perform at least 20% of this Package by cost with the Contractors own, in-house work forces. Subcontracting or brokering more than 80% of the work shall not be permitted.

General Carpentry, Rough Carpentry Scope:

1. Contractor shall furnish and install all rough carpentry work as required by the Contract Documents and Specification Section 061053, including but not limited to concealed or temporary wood work, blocking, in-wall blocking, roof blocking, wood furring, grounds, bucks, wood plates, plywood, plywood sheathing, plywood wainscoting, trimming and working of wood or wood fibered materials, nailers, compressible fillers, isolation pads, and all other rough carpentry and accessories including but not limited to anchor bolts, fasteners of any type, glue, adhesive, etc. Contractor shall furnish and install all other general carpentry work and wood blocking required by job conditions.

2. Contractor shall furnish and install all wall concealed and exposed wood blocking for all items furnished by this and other Contract Packages, (Fire Treated (FRT)), as required. Contractor is not responsible for metal strapping in metal stud walls or for any 09A work. 09A Contractor to provide continuous 20-gauge metal strapping (two (2) rows per elevation) at all metal stud walls for cabinets, visual display boards, (i.e., chalk, tack, marker), lockers, handrails, etc. for any item which is surface-mounted.

3. Contractor shall furnish and install solid wood blocking behind all wall hung cabinets, display boards, televisions, etc. even if these items are designated "NIC" or, "future", or "by others". This blocking is not required behind base cabinets unless specifically required or shown. This is in addition to any strapping requirements.

4. Contractor shall furnish and install all plywood backing and backboards required for Mechanical, Electrical, Telephone and Data installations, Contractor to assume all walls of each room unless specifically detailed otherwise, 8'-0" high, starting 8" AFF. Contractor to mask off FRT label prior to painting of plywood by painter.

5. Contractor shall infill/cover, maintain, and remove as necessary all stair treads (concrete, steel, or any other material) with wood. Construction Manager will advise when protection may be removed. Any patching required as a result of installation or removal of this protection is the responsibility of 06A Contractor.

6. Contractor shall furnish, install, maintain, and remove all wood safety rails and toe boards at all floors, roof, expansion joints, stairs, slab penetrations, pits, deck edges and openings. Any patching if required to structure due to installation is by 06A. Rails must be wood and in compliance with all MOSH/OSHA standards. Steel safety cables are by 05A.

7. Contractor includes horizontal wood handrail at all openings with sills less than 42" in height which could be a fall hazard per MOSH/OSHA standards. Wood rail to be installed per all MOSH/OSHA standards. Contractor includes removal immediately before opening is filled in with final material such as louver, window, etc.

8. In the event of pending weather, the 06A Contractor is to protect exterior blocking as practical from exposure to weather. 06A Contractor shall be responsible for replacing material if it is deemed unacceptable due to exposure to the elements.

9. 06A is to furnish and install temporary doors at all electric, telephone, data and machine rooms. 06A to include hinges, hasps, and temporary closer as necessary. Construction Manager to provide lock.

10. ***06A contractor is to furnish and install both the bridge and "Step Up Decking" complete as per L-2.4 and 7,8/L-2.6. This includes all handrails, pickets, caps, stringers, decking, etc. as required.[4]***

Expansion Joint Cover Assemblies Scope:

1. 06A Contractor shall furnish and install all floor and wall expansion joint cover assemblies complete as required by the Contract Documents and Specification Section 079513.13. Expansion joint cover assemblies at drywall or acoustical ceiling locations to be furnished and installed by the 09A package. If caulking is required at 06A assembly in 09A work, 09A is to provide caulk as well. In the event control or expansion joints are not shown but required to control cracking/expansion per manufacturers recommended installation procedure or if specified in Division 9, 09A is to furnish and install these assemblies complete.

2. Contractor includes all coordination with Concrete, Masonry and Steel Contractors for required blockouts. Contractor includes all incidentals with installation inclusive of grout, flash patching, minor chipping and prep work for a complete installation.

Frames, Doors, and Hardware Scope:

1. Contractor to furnish and install all FRP, hollow metal frames, borrowed lite frames, wood doors, steel doors, fiberglass doors & aluminum frames, metal sound control door assemblies, and hardware complete per Specification Sections 081113, 081416, 081613, 083473.13, and 087100.

2. Contractor includes storage at offsite location of all doors and hardware as space is extremely limited. Contractor to coordinate with construction manager and other trades for shipment of hollow metal frames. Contractor can assume no less than 3 shipments. No wood doors will be allowed onsite until conditioned air is available and without written approval of construction manager.

3. Contractor to provide (1) 3' x 7' hollow metal frame for installation within masonry mockup panel.

4. With the exception of Automatic Door Operators at Aluminum entrances, which are furnished and installed by 08A, all other electrified hardware is furnished and install by 06A. For further clarity, 06A is to furnish and install automatic door operators per specification section 087100 at hollow metal frames. 06A is to furnish and install magnetic hold opens as indicated with 16A making connection to the fire alarm system. 06A is to furnish and install magnetic locks, with assistance from 16A for required conduit rough-in. The 06A Contractor shall provide controls, power wiring, junction boxes, rectifiers, and transformers and connection with electrified hardwired being provided in their package. The 06A, 08A and 16A Contractor shall coordinate required conduit or pathways being furnished by 16A for 06A or 08A use. The 06A, 08A and 16A contractor to ensure proper power requirements are brought to each location as well as required interaction with security and fire alarm system. With respect to any electrified hardware, it is the 16A contractor's responsibility to bring power to each door location, and install required power pack (furnished by others) at each door location (central locations will not be utilized due to length of run limitations on provided low voltage wiring); actual electrified door hardware is installed by 06A (or 08A at aluminum entrances) then 16A has power wiring and verification of wiring and final connections. 06A and 08A would then have associated respective adjustments. Security card readers are 16A to furnish and install with coordination from both 06A and 08A depending on location.

5. Contractor to include final keying of all cylinders furnished under this scope as well as storefront and overhead doors scope per Owner/CM direction. All hardware is to be shipped with "construction cores", keyed identically for ease of construction and installation as well as controlled access of other trades by Construction Manager. After final cleaning is performed, all construction cores are to be replaced with final keyed cores. Contractor to provide to Construction Manager six (6) complete sets of construction use keys for CM use and distribution as necessary to other trades.

6. 06A Contractor to furnish all required door hardware to the 08A contractor for installation by the 08A contractor for all aluminum doors and frames. This hardware is to be procured, collected, and palletized by the 06A contractor and shipped by the 06A Contractor to the 08A Contractor direct and free of charge. Use of templates will not be permitted when the 08A Contractor is producing final aluminum doors and frames.

7. Contractor shall include all costs to deliver hollow-metal frames in sufficient time to avoid delay to masonry construction. In the event delivery dates are not met, this contractor will be responsible for any and all costs, as well as repair of frames that have to be installed in "toothed" openings if damaged or moved during installation.

8. Contractor shall coordinate with Masonry and Drywall Contractors to ensure timely installation of hollow metal work. 06A Contractor shall install all hollow metal work plumb, level, square, and true to line and shall be responsible for properly bracing, maintaining and repairing the work until the Masonry Contractor's acceptance. The 09A, Drywall Contractor, is to set hollow metal frames in metal stud partitions. Frames are furnished by 06A.

9. Contractor shall review all door and hardware schedules for correctness and compatibility.

10. Contractor to protect wood and fiberglass doors from damage. This, at a minimum, will be ¼" cardboard on both sides of door from floor to 6' above floor and maintained as necessary until substantial completion. This is to be part of base bid cost.

11. 06A Contractor includes infill of all hollow metal window, side light, borrowed light, etc. openings with plywood supported at 2'-0" OC as necessary as masonry progresses and frames are blocked in on lower floor(s) This is for security as well as weather protection. Removal of this material is by 06A to allow for painting of frames by 09F prior to installation of permanent glass by 08A. If 08A contractor installs glass prior to painting of frame, it will be the 08A contractor's responsibility to remove and reinstall after paint at no charge.

12. Contractor shall allow for a minimum of two coordination meetings with the Owner to determine how the final keying of the building will be performed.

13. Contractor includes final key cabinet furnish and installation, location to be determined by Owner. This is to include complete full setup of key cabinet inclusive of all necessary tagging inside cabinet and stamped on each key provided.

14. Immediately prior to substantial completion, the 06A contractor to verify installation of all hardware provided and installed under this scope of work, as well as verification of proper installation at all aluminum doorways installed by the 08A Contractor to ensure proper installation and function of all hardware. ***06A Contractor is responsible for repairs/corrections to hardware installed by 06A Contractor. 08A Contractor is responsible for repairs/corrections to hardware installed by 08A Contractor.*** [3]

15. Manufacturer's Representative to review installation of all hardware provided under this package. Each Manufacturer Representative is to make final adjustment on all door hardware, inclusive of all hardware supplied to other Contractors for installation, two weeks prior to substantial completion, at six months later after substantial completion, and at the end of the installation warranty period if need be.

16. Provide 20 additional cylinders and cores keyed to building master key system for gym equipment, overhead doors, and all key switches.

17. As required, at wood, metal and/or fiberglass (FRP) doors, 06A shall furnish doors with metal frame vision kits. 08A Contractor will set glazing and secure glazing in position after painting.

Coiling Counter Doors scope:

1. Contractor shall furnish and install all coiling counter doors complete, required by the Contract Documents

including access panels as necessary to service equipment per Specification Section 083313.

2. Contractor includes cost of factory-authorized service representative to perform startup and training of owner's personnel.

3. Contractor includes cost of 24 months full maintenance by a skilled employee per specifications in base bid.

Overhead Coiling Doors scope:

1. All overhead coiling doors required by the Contract Documents including access panels as necessary to service equipment per Specification Section 083323.

2. The electrical contractor shall provide all power wiring, junction boxes, conduit, as shown on contract documents up to the disconnect. This contractor is to provide any required disconnects, electric motor, remote controls, rectifiers, and transformers as well as provide assistance to electrical contractor for final connection of power. Any conduit, wiring, boxes after the disconnect is the responsibility of this contractor. Contractor to coordinate with Electrical contractor to ensure proper power requirements are brought to each disconnect, as well as required interaction with security and fire alarm system.

3. Contractor includes furnish and installation of electric door operator with means of disconnect, electric motors, limit switches, sensors, control stations, audible and visual signals, etc.

4. Contractor includes cost of factory-authorized service representative to perform startup and training of owner's personnel.

5. Contractor includes cost of 24 months full maintenance by a skilled employee per specifications in base bid.

Display Cases and Boards Specific Scope of Work:

1. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the display work in accordance with the complete set of Contract Documents.

2. Contractor shall furnish and install all bulletin boards, ***pegboards***[5] display cases, visual display boards, markerboards, tackboards, display strips, trays, aluminum frames and trim, and accessories as required by the Contract Documents and as referenced in Specification Sections 101100 and 101200. For all cork material, contractor to install only after material has acclimated to building conditions for a minimum of 7 days, or as per manufacturers recommendations, whichever is more stringent.

3. Contractor shall provide locks, display rails, end stops, and any other accessory required by the Contract Documents.

4. Contractor shall furnish and install all tackboard panels, glazed sliding doors, shelves, standards and supports, back panels, illumination and all other accessories required by the Contract Documents at display cases.

5. Contractor to caulk or provide fillers a necessary to provide a finished appearance where this Contractor's work abuts other materials.

6. Contractor shall provide daily cleanup of all trash and debris generated by the work and place in dumpster furnished by the Construction Manager. Upon completion of each phase of work in any given area, the Contractor shall leave the area in broom clean condition. Should the Contractor's cleanup be unsatisfactory, the Construction Manager shall perform the work at the Contractor's expense.

7. Contractor to coordinate any electrical requirements for materials being provided under this package with the 16A contractor prior to wall rough in, or any costs to change wall rough in will be at this Contractor's expense.

Signage Specific Scope:

1. Contractor to furnish and install all interior signage, panel signage, die-cut vinyl graphics, plaques, exterior and interior stainless-steel letters, signage accessories and the like inclusive of fasteners and or mastics(s) per Specification Sections 101416, 101423, 101463 and 101419.

2. Contractor shall furnish and install all in-wall blocking required for this work, prior to wall close-in by 08A and 09A contractors.

3. Contractor includes all incidental caulking of own work for a complete installation.

4. Contractor shall silicone all sign perimeters to mounting surface to deter student removal.

5. Room identification signage to be mounted at latch side of door, 48" AFF to bottom of sign, and 9" from edge of door frame to center of sign, and to have a clear perimeter sealant. Note, no tactile characters can be less than 48" AFF or more than 60" AFF. In the event a sign is taller than 12", mounting location needs to be confirmed by design team. In the event a sign cannot be mounted as stated, contractor to immediately notify Construction Manager as this is a potential ADA concern.

~~*6. Contractor shall include Life Safety Signs per bid documents.*~~[5]

7. Contractor includes back panel on all signage mounted on glass.

8. Contractor shall furnish and install all 24" tall dimensional characters to say "ROCK CREEK SCHOOL" and include the mounting to the exterior of the building.

9. Contractor shall furnish and install all 12" tall stainless-steel letters to say "55B" and include the mounting to the exterior of the building.

10. Contractor shall furnish and install all 6" tall stainless-steel building address letters/numbers to say "55B" (@RCS) and "55" (@WMS) and include the mounting at the new Rock Creek School site sign and the new Walkersville Middle School site sign respectively as per A407.

11. Contractor shall furnish and install all other dimensional characters, both interior and exterior, as identified in the Contract Documents.

12. Contractor to furnish and install all LED Signboards per Specification Section 101463. Conduit rough in, feeders and disconnect are by 16A, line side wiring to sign by 06A. 06A to coordinate roughin location with 16A.

13. Furnish and Install one (1) Project Construction Sign to be placed at a location determined by Construction Manager. Sign can be obtained from Maryland Correctional Enterprises; Contact: Charles Behnke 410-799-5102.

14. Provide all attic stock as required.

15. All street and or parking signage is provided and installed by the 02A Contractor, with the exception of the Site Project Sign.

Cubicle Curtains & Track Specific Scope:

1. Contractor to furnish and install all cubicles complete including but not limited to, track, curtain, track accessories, curtain carriers, exposed fasteners, concealed fasteners, etc. as indicated on the contract documents and Specification Section 102123.

2. Contractor includes field measuring of spaces prior to fabrication.

Toilet Partitions and Accessories Specific Scope of Work:

1. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the Toilet Partitions and Accessories work in accordance with the complete set of Contract Documents.

2. Contractor shall furnish and install all toilet, bath and laundry accessories, toilet compartments, urinal screens and wardrobe accessories as required by the Contract Documents including, but not limited to, ***toilet tissue dispensers, paper towel dispensers[3].*** grab bars, mirrors, sanitary napkin disposals, shower seats, robe hooks, shower grab bars, shower curtain rods, shower curtains and hooks, privacy curtains, underlavatory guards, chemical dispensing systems, and mop and broom holders. This includes any accessories required in classrooms, kitchen, or other common areas (i.e., paper towel/soap dispensers) or as indicated. This includes all work indicated per Specification Section 102113.19 and 102800.

~~3.~~ Contractor shall provide installation for Owner Furnished, Contractor Installed items ***per Contract Documents. ~~per Specification Section 102800, including, but not limited to all toilet tissue dispensers, liquid soap dispensers, paper towel dispensers.~~ [3]***

4. Contractor shall be responsible for field measuring prior to release of materials.

5. Contractor shall coordinate with Construction Manager regarding all locations and mounting heights for toilet accessories. The Contractor's shop drawings shall show specific size and location of all blocking required by the work included in this Contract Package. Contractor shall be responsible for adherence to all ADA and handicapped regulations, with special attention to sheet A401.

6. Contractor incudes all incidentals to this work inclusive of caulking for a complete installation

7. Contractor will cut, reinforce and trim toilet partitions if necessary to install items common between two (2) stalls and shown as a thru wall accessory.

8. Contractors shall provide daily cleanup of all trash and debris generated by the work and place in dumpster furnished by the Construction Manager. Upon completion of each phase of work in any given area, the Contractor shall leave the area in broom clean condition. Should the Contractor's cleanup be unsatisfactory, the Construction Manager shall perform the work at the Contractor's expense.

9. Contractor to coordinate with floor and wall finish contractor for installation of fasteners as applicable. Any damaged finishes which occurs during installation of work under this scope, will be the responsibility of this contractor.

10. Contractor responsible for final adjustment of hardware per the specification immediately prior to substantial completion.

Lockers and Shelving Specific Scope of Work:

1. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the Lockers and Shelving work per Specification Sections 105113 and 105613, in accordance with the complete set of Contract Documents.

2. Contractor shall furnish and install all solid plastic lockers including staff lockers, corridor lockers, aquatics lockers, locker accessories, continuous piano hinges, handles, identification plates, hooks, final cleaning and lubrication prior to substantial completion, and as required by the Contract Drawings and Specification Section 105126 – Plastic Lockers

3. Contractor shall furnish and install all fixed locker room benches with backs as per Specification Section 105153. Contractor shall coordinate with 03A for locations of thickened slab and floor sleeves if applicable.

4. Contractor to furnish and install all metal storage shelving including but not limited to four post metal storage shelving, inclusive of posts, bracing, solid type shelves, shelf-to-post connectors, bases and tops, and anchors, as required by the Contract Drawings and Specification Section 105613 Metal Storage Shelving.

5. Contractor to submit numbered layout drawing for all lockers, prior to fabrication, and use of ordering locker number plaques for approval, as some lockers may be deleted during this process.

6. Contractor will provide fillers and caulk as required to provide a finished appearance where lockers abut other materials.

7. Contractor shall provide daily cleanup of all trash and debris generated by the work and place in dumpster furnished by the Construction Manager. Upon completion of each phase of work in any given area, the Contractor shall leave the area in broom clean condition. Should the Contractor's cleanup be unsatisfactory, the Construction Manager shall perform the work at the Contractor's expense.

8. Contractor acknowledges no metal shelving will be set until after floor final waxing has occurred and contractor will be working over completely finished floors and spaces during installation, and will perform 100% cleanup to leave space in condition ready for Owner use.

Projection Screen Specific Scope:

1. Contractor shall furnish and install all projection screens and accessories as required by the Contract Documents and as referenced in Specification Section 115213.19.

2. Contractor shall include cost to train Owner’s personnel in base bid.

3. Contractor will provide all necessary supports, mounting brackets and support hardware for projection screens. Ceiling hung projection screens shall be supported from structural steel above. Support from the ceiling grid will not be permitted. Contractor to advise during structural steel coordination any need for supplemental steel support; in the event this is not coordinated, the need for supplemental steel is then this Contractor’s responsibility. In the event structural steel is not immediately above projection screen elevation, Contractor includes beam clamps, all thread, hangers, kendorff etc. to utilize structural steel at above floor or roof level and no additional structural steel will be provided immediately above ceiling elevation.

4. Contractor to coordinate any electrical requirements for materials being provided under this package with the 16A contractor prior to wall rough in, or any costs to change wall rough in will be at this Contractor’s expense.

5. All items within this Contract Package, which are specified or required to have electrical service or electrical outlets, shall be furnished with complete integral wiring by this Contractor, for single connection at a junction box or disconnect by the 16A Electrical Contractor.

6. Key switch operation is to be on building master key system.

Stage Curtains Specific Scope:

1. Contractor to furnish and install all video studio curtains, stage curtains, and tracks complete per Specification Section 116143.

2. Contractor to include stage curtains, scrims, drops, draw-curtain tracks and curtain rigging, per contract documents.

3. Contractor shall include cost to train Owner's personnel in base bid.

4. Contractor to coordinate any electrical requirements for materials being provided under this package with the 16A contractor prior to wall rough in, or any costs to change wall rough in will be at this contractor's expense.

5. All items within this Contract Package, which are specified or required to have electrical service or electrical outlets, shall be furnished with complete integral wiring by this Contractor, for single connection at a junction box or disconnect by the 16A Electrical Contractor.

Exercise Equipment, Gymnasium Equipment and Dividers Specific Scope:

1. Contractor to furnish and install all Exercise Equipment, Gymnasium Equipment and Gymnasium Dividers complete per Specification Sections 116613, 116623 and 116653.

2. Furnish and install all warranties as specified.

3. Contractor to include all pull up bars, climbing walls, dance barres, basketball equipment, volleyball equipment, exercise equipment, and safety pads, per contract documents.

4. Furnish and install basketball equipment by a specified manufacturer, including overhead supported and wall mounted backstops, with the specified backboards, safety devices, safety pads, safety devices, height adjusters, winches, electric operators, goals, and nets.

5. 06A Contractor shall furnish, core drill and install volleyball floor sleeves. Coordinate with 09D Contractor. 09D Contractor to layout and cut to install inserts in floor only.

6. Furnish and install electrically operated, top-roll divider system complete with all accessories as required.

7. This Contractor is responsible for protection of all adjacent finished work and will be responsible to clean, repair or replace any finished material damaged due to work by this trade damaging finished materials.

8. All items within this Contract Package, which are specified or required to have electrical service or electrical outlets, shall be furnished with complete integral wiring, including control wiring, by this Contractor, for single connection at a junction box or disconnect by the 16A Electrical Contractor.

9. Contractor shall include cost to train Owner's personnel in base bid.

10. Key switch operation is to be on the building master key system.

Patient Care Equipment Specific Scope:

1. Contractor shall furnish and install all patient care equipment complete per Specification Section 117300.

2. Contractor includes furnishing and installing all ceiling mounted patient lifts, with fixed ceiling tracks, ceiling tracks with transverse rails, lift units, straps, and carry bars as required per the Contract Documents.

3. Contractor includes furnishing and installing all changing tables as required per the Contract Documents.

Roller Shades Specific Scope:

1. Contractor to furnish and install all roller shades complete per Specification Section 122413.

2. Contractor to coordinate with HM Frame and Aluminum Frame suppliers for method of attachment.

3. Whether indicated or not, the 06A Contractor will be required to furnish extension wands as necessary to operate shades.

4. Contractor will be responsible for final adjustment, cleaning and touch up immediately prior to substantial completion.

5. Contractor to include own labor and equipment for unloading of deliveries, deliveries which arrive without contractor forces onsite will be immediately denied access to the site.

6. Contractor acknowledges no materials can be released until mandatory preorder conference has occurred. Contractor to schedule conference through Construction Manager.

Millwork & Casework Scope:

1. Contractor to furnish and install all millwork, finish carpentry for 062000 – Finish Carpentry, casework for 123216 – Manufactured Plastic-Laminate-Faced Casework and 123550 – Media Center Casework including but not limited to adjustable wood shelving, wood benches (including those in the corridor spaces), associated cabinet hardware and accessories, interior wood frames and jambs, wood caps at low walls, custom changing table cabinets, workstations, PLAM benches, casework, reception desks, book shelving units, circulation desks, book trucks, display tables, magazine shelving, wood railings, shop finishing, PLAM countertops, solid surface countertops, solid surface sills and aprons, ~~*integral bowls in solid surface tops*~~[5], emergency showers or stations, ~~*countertop equipment*~~ [4], pegboards, counter tops, shelves, locks, sinks, fixtures, caulking, fillers and grommets, etc. or as detailed on the construction documents. Any final plumbing related connections are to be by 15A.

2. Contractor will be required to modify casework as necessary to allow for MEP trade rough in, as well as provide cutouts for outlets, switches, devices, sinks and fixtures installed in Casework by others, cutouts are to be field performed.

3. Contractor to include all hardware including keying requirements for all work provided within this scope of work, in accordance with respective specification section. No hardware will be provided by other trades to make this scope of work complete

4. Contractor to provide all glass and glazing required for a complete installation of work provided under this contract. No glass or glazing will be provided by other trades to make this scope of work complete.

5. Contractor is responsible for all hardware necessary to anchor or affix its work in a permanent location.

6. Contractor to protect casework being furnished and installed under this package from damage. Casework protection shall be, at a minimum, 1/4" Masonite blue taped to the countertops. Contractor responsible for replacement of damaged casework and or countertops. This is part of base bid cost.

7. All items within this Contract Package, which are specified or required to have electrical service or electrical outlets, shall be furnished with complete integral wiring by this Contractor, for connection at a junction box by the 16A Electrical Contractor. This requirement does not include receptacles, which may be shown in casework. This Contractor shall provide cutouts for outlets, switches, devices and fixtures installed in Casework by other Trades.

Greenhouse Specific Scope (Add Alternate #3)

1. 06A Contractor to furnish and install a complete greenhouse per Specification Section 133413.13 to include but not limited to glazing, structural steel members, ventilation, heating, shading systems, lighting, watering system(s), environmental control system, and benches. The 06A Contractor shall provide a signed and sealed design for the foundation, footings and slab per the Contract Documents. Furnishing and installation of foundations, footings, slabs and masonry will be respective trade contractor if add alternate is accepted.

2. Contractor includes any incidental caulking of this work for a complete installation.

3. Contractor to include own labor and equipment for unloading of deliveries, deliveries which arrive without contractor forces onsite will be immediately denied access to the site.

Miscellaneous Scope Items for General Trades Package:

~~***1. Contractor shall furnish and install all wall coverings complete per Specification Section 097200. Contactor to furnish and install all custom vinyl wall graphics and plexi covers as indicated in the Contract Documents.***~~ ***[3]***

2. Contractor shall furnish and install all wall and door protection, mechanically fastened with tamper resistant screws per Specification Section 102600 and as detailed on drawings.

3. Contractor shall furnish and install all Fire Protection Cabinets and Fire Extinguishers per Specification Sections 104413 and 104416, including all blocking and accessories as required for complete installation.

4. Contractor shall furnish and install all Defibrillator Cabinets per Specification Section 104313.

5. Contractor shall furnish and install all flagpoles and required footings per Specification Section 107300.

6. Contractor shall furnish and install all commercial laundry equipment per Specification Section 112173. Final connections to be made by 15A and 16A contractors as required.

7. Contractor shall furnish and install all loading dock bumpers and accessories per Specification Section 111313.

8. Contractor shall furnish and install all office equipment, including, but not limited to all literature racks and mail sorters as required per Specification Section 112800 Office Equipment.

9. Contractor shall furnish and install all residential appliances, including, but not limited to all electric cooktops, ranges, microwave ovens, exhaust hoods, refrigerator/freezers, icemakers, dishwashers, and clothes washers and dryers as required per Specification Section 113013.

10. Contractor shall furnish all kilns and related accessories complete per Specification Section 119513.

11. Contractor shall furnish ***a minimum of [3]*** one knox box, installation is by 04A. ***Quantities and locations to be as shown on the drawings.[3]*** Knox Box is to be authorized by local fire marshal prior to release.

12. Contractor shall furnish and install all floor hatches as identified in the Contract Documents.

13. Contractor shall install all wall mounted adjustable arm monitor brackets furnished by the Owner per Contract Documents.

14. 06A is to furnish, install, and maintain fire extinguishers onsite and in building per MOSH/OSHA requirements for general building protection during construction. All Trades are to provide fire extinguishers, blankets, and any other provisions for burning, welding, soldering, braising, or any hot/fire work performed by the Contractor in performance of their work in any area as specifically necessary.

~~***15. 06A Contractor includes in his bid temporary electric power, pumps and sufficient length of hose to discharge water away from the building footprint and continual maintenance for dewatering of all below grade pits. The 03A Contractor to include 4x4 block out, 3' deep in lower level(s) prior to and after pour of slab on grade, excavation for temporary sump pit, pump, power and or generator, hose, labor as needed, demucking, backfill and secondary slab patch when no longer needed. Sump pit to be utilized after rain event(s) to remove water from lower level areas in order for all trades to keep working efficiently. The 03A Contractor includes temporary rails, toe boards, etc. for fall protection at sump pit areas. Once 06A contractor has daily presence onsite, all***~~

~~***pumps, hoses, power, and daily maintenance is then the 06A's responsibility until building is dried in and sump can be eliminated and turned back over to 03A for completion of slab. Temporary sump(s) to be located by Construction Manager, but 03A and 06A can assume one location. In the event temporary power is not available to run required pumps, 06A is to then provide generator as required as the 03A Contractor is no longer responsible for this requirement.***~~[4]

16. In addition to the requirement of providing daily cleanup of self-generated debris from work and or workers, the 04A, 06A, 09A, 15A and 16A contractors are to include 1 man per every 15 men contractor has onsite, with a mandatory minimum of one man if contractor has less than 15 men onsite. This requirement will be utilized for contractors to participate in a composite cleanup crew. Composite cleanup days will be every Wednesday from 7am to 2pm. Construction Manager will provide trash carts, dumpsters and sweeping compounds, all other equipment, PPE or otherwise, i.e. brooms, shovels, etc., are to be contractor provided.

17. Provide one (1) 8'-0" wide temporary scaffold stairs with access to roof level for Trade access at perimeter of building (Location TBD by CM).

18. 06A Contractor to furnish, install, and maintain temporary exit signs as necessary in compliance with MOSH/OSHA standards during construction. Signs are to be removed at Construction Manager's direction. Any patching as necessary is to be included as part of base bid cost.

Resinous Matrix Terrazzo Specific Scope of Work (Add Alternate #6)

1. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the Resinous Matrix Terrazzo work in accordance with section 096623 and the complete set of Contract Documents.

2. Contractor shall furnish and install all Resinous Matrix Terrazzo at Commons 002 including all divider strips, control joint strips, cleaners, epoxy grouts, sealers and all other accessories, as required by the Contract Documents, as part of the Alternate #6.

3. Contractor to provide floor preparation as necessary to install work under this package.

4. The 03A Contractor is obligated to finish slabs in compliance with Specification Section 033000. ~~***09E***~~ ***06A***[3] Contractor to include floor prep and flash patching as necessary for their work and installation of material, no exclusion, all costs are part of base bid. Grinding of concrete is not part of this package and is to be assumed by the 03A Contractor provided this contractor gives proper notice of unacceptable conditions two weeks prior the start of work.

5. ~~***09E***~~ ***06A***[3] Contractor shall provide all layout and survey work necessary to complete their work as required by the Contract Documents.

6. ~~***09E***~~ ***06A***[3] Contractor shall coordinate with the Construction Manager regarding layout of flooring prior to commencement of the work.

7. ~~***09E***~~ ***06A***[3] Contractor includes all cleaning, sealing and polishing as required.

8. ~~***09E***~~ ***06A***[3] Contractor shall provide temporary protection of finished work in place. At a minimum, Contractor shall protect finished flooring with Kraft paper reinforced by nylon strings which is to be taped at all joints. Contractor includes maintenance and replacement as necessary.

9. Contractors shall provide daily cleanup of all trash and debris generated by the work and place in dumpster furnished by the Construction Manager. Upon completion of each phase of work in any given area, the Contractor shall leave the area in broom clean condition. Should the Contractor's cleanup be unsatisfactory, the Construction Manager shall perform the work at the Contractor's expense.

10. ~~***09E***~~ ***06A[3]*** Contractor to caulk or provide trim as necessary where flooring meets other material (i.e., floor drains, equipment pads, boxes, walls).

11. ~~***09E***~~ ***06A[3]*** Contractor to coordinate slab depressions with 03A Concrete Contractor.

PART 3 – ALTERNATE SCOPE OF WORK

1. Contractor has reviewed the Alternates scope of work listed elsewhere within the specifications and has included all costs in the event the Owner elects to proceed in whole or in part.

PART 4 – ALLOWANCES

1. In addition to the composite clean-up crew requirements listed above, contractor to include an additional 500 general laborer hours to be used at Construction Manager or Owner discretion. Hourly cost to be based on wage scale. Hours are to be tracked on a ticket, in the event the cost exceeds this allowance, an additive change order will be issued based on wage scale, in the event it is less, a deductive change order will be issued.

END OF 06A SECTION

PART 2 – SPECIFIC SCOPE OF WORK

1. Contractor has reviewed and understands the Contract Package / Specification Cross Reference listed under Section 002413.

2. Contractor includes General Scope of Work listed under Part 1 of Section 002416.

3. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the ***~~Site~~ Electical***[5] work in accordance with the complete set of Contract Documents.

4. The Contractor shall perform at least 30% of this Package by cost with the Contractors own, in-house work forces. Subcontracting or brokering more than 70% of the work shall not be permitted.

Electrical Specific Scope of Work:

1. Contractor shall provide all labor, material, equipment, and supervision necessary for and reasonably incidental to the completion of the Electrical work in accordance with the complete set of Contract Documents.

2. Contractor shall furnish and install all electrical work indicated in the Contract Documents, including, but not limited to switchgear, panels, transformers, emergency generator, light fixtures, conduit, wire, electrical devices, stage lighting, supports, telecommunications, A/V systems, intercoms, clocks, security, fire alarm and all Division 26, 27, and 28 complete, required for a complete installation.

3. Provide and maintain adequate temporary lighting, ten (10) foot candles in all interior areas or as per MOSH/OSHA codes whichever is greater,

4. Provide adequate temporary electrical service for all trades. This includes but is not limited to multiple, 208 volt service hookups for, Masonry, Resinous Flooring, and Tile installations.

5. Contractor shall furnish and install temporary power to the Construction Manager's trailer complex and maintain power to ensure no power disruptions throughout the project. Until permanent service from Potomac Edison can be installed, contractor shall make provisions to provide, install and maintain generator, rental costs, fuel and required electrical connections to Construction Manager's as well as 02A, 03A, 04A, 15A and 16A's trailers anticipated to be in the same complex. At contract award, the 16A Contractor shall contact, apply for in Construction Managers name, and coordinate with Potomac Edison to install, maintain and distribute temporary electrical service to the trailer compound. This will include a minimum 200 amp service, to each trailer, inclusive of any required temporary poles, sheds, underground work, conduit, wire, etc. Temporary services to be coordinated with contract work and buried wherever possible. The connection charge is handled through the contract allowance referenced in Part 4 of this specific scope. All other costs, materials, conduits, feeders, etc to establish this temporary power is considered to be in the base bid of this contractor. This account is to be created in the Construction Manager's name as the Construction Manager is responsible for the monthly charges until project completion, at which time this account will be closed.

6. Contractor shall contact, apply for in Construction Managers name, and coordinate with Potomac Edison to install, maintain and distribute temporary electrical service to the site. This will include a minimum 600 amp service, to the building pad with distribution points located at Construction Manager's direction. Temporary services to be coordinated with contract work and buried wherever possible The connection charge is handled through the contract allowance referenced in Part 4 of this specific scope.. All other costs, materials, conduits, feeders, etc to establish this temporary power service is considered to be in the base bid of this contractor. This account is to be created in the Construction Manager's name as the Construction Manager is responsible for the monthly charges until which time permanent service can be established, at which time this account will be closed. Temporary service to the building pad must be installed no later than February 15, 2020, or the 16A Contractor will then be required to provide, and or rent, and maintain temporary generator(s) and fuel capable of providing service as described above, until temporary or permanent service is installed by Utility Company, whichever is sooner.

7. The 16A Contractor is responsible for all temporary electric service, telecom etc. as specified in Specification Section 015000. If a more stringent requirement for temporary services is specified in section 015000 then it shall take precedence.

8. Contractor shall contact, apply for in Owner's name, and coordinate with Potomac Edison to install, maintain and distribute permanent electrical service to the building(s). This account is to be created in the Owner's name as the Owner is responsible for the monthly charges .The connection charge for permanent service will be paid direct by Owner. All other costs, materials, conduits, feeders, etc to establish this permanent power service is considered to be in the base bid of this contractor.

9. 16A Contractor is responsible for furnishing and installing all incidentals inclusive of conduit, conductors and pads as per Potomac Edison requirements for permanent power. Primary and Secondary ductbanks are to be encased in concrete per Potomac Edison requirements.

10. Contractor includes certification of all utility company primary and secondary ductbanks via use of a 8"mandrel.

11. Contractor shall coordinate with 03A, 04A, 05A, 09A, and 09B Contractors and provide all required embedded items, including, but not limited to, sleeves, conduit, boxes, panel boxes, etc. included in this Contract Package. The Contractor shall be responsible for the proper location and installation of all embedded items. The 16A Contractor will make sure boxes in CMU are installed plumb and flush with CMU as necessary. Boxes will be supported as necessary to avoid movement as CMU progresses. Boxes set in cmu or other substrate but then have a surface finish material such as tile, contractor to include all required extension rings

12. Any wall penetration required by other trades which has a diameter or horizontal dimension greater than 12" shall require a lintel or sleeve be installed. Locations which are to be steel beam or hung plate which are clearly called out on the structural drawings and will be furnished by 05A, and depending on connection, installed by either 04A or 05A. Both the 15A, 15B and 16A contractors are to furnish pipe sleeves regardless of pipe size, installed by 04A or 09A. For all duct/damper openings above ceiling, 15A is to provide steel angles, installed by 04A. For all duct/damper openings below ceiling and exposed, it is assumed to be a concrete U lintel, precast lintel or bond beam, where allowed by the structural drawings, by 04A. All openings in fire walls are to have either a precast lintel, concrete U lintel or concrete portal. Steel is not permitted in fire wall openings. In the event it is a concrete portal, all reinforcing and concrete is by 03A. If detailed as a precast lintel or concrete U lintel, they are furnished and installed by 04A.

13. Contractor shall obtain all required permits, secure all inspections and provide all test and inspections required by the Contract Documents to obtain a Use and Occupancy permit.

14. Contractor will meet with Fire Marshall to review and receive comments on annunciator panel including coordination of final room numbering prior to release for fabrication.

15. 16A Contractor shall provide 15A Contractor with a temporary Data Line for programming and operation of mechanical equipment and controls as directed by the Construction Manager.

16. Contractor shall furnish and install complete power connections and final connections for all equipment installed under this package and other packages including, but not limited to, food service equipment, computer lab equipment and or furniture, pumps, stage/theater equipment, motors, panels, residential appliances, etc. as required by the Contract Documents.

17. 16A Contractor shall coordinate with Mechanical Contractor and Pool Contractor regarding motor starters for equipment. 16A Contractor shall furnish and install all motor starters, contactors, safety switches, disconnect switches, phase and voltage protection, except for those items which are called for to be factory furnished or integral to the equipment. These integral items shall be provided and installed by the respective Contractor providing the equipment. If this equipment is specified to be provided with factory furnished disconnects and equipment fails to be provided in this fashion and owner still accepts equipment, the respective Contractor is then responsible for all costs incurred by 16A to furnish and install disconnects in the field.

18. In the event 3 phase equipment is required to have phase and voltage protection and monitors, 13A or 15A is to provide phase monitors as well as back box at all 3 phase equipment being provided by 13A or 15A, 16A to complete install. 16A is required to furnish and install own phase monitors and back boxes on all 3 phase equipment being furnished under the 16A contract. 16A has installation of backboxes, phase monitors and related power wiring, 15A and respective Controls subcontractor has respective control wiring.

19. 16A Contractor to furnish any variable speed drives (VSD's) and variable frequency drives (VFD's) for equipment being furnished under this package. This equipment is also to include separate independent phase monitoring and backboxes. Installation of VSD's, VFD's, phase monitoring and backboxes is by 16A. Contractor also includes installation of VSD's and VFD's furnished by 15A contractor.

20. Contractor shall furnish and install complete fire alarm system as indicated by the Contract Documents. Provide all required electrical connections to all alarm devices, including but not limited to, water gongs, flow switches, and tamper switches installed by others. Contractor includes connection of fire pump, jockey pump and controller. Contractor includes coordination and final electrical connections with emergency gas shut down solenoids, etc.

20. With the exception of Automatic Door Operators at Aluminum entrances, which are furnished and installed by 08A, all other electrified hardware is furnished and install by 06A. For further clarity, 06A is to furnish and install automatic door operators per specification section 087100 at hollow metal frames. 06A is to furnish and install magnetic hold opens as indicated with 16A making connection to the fire alarm system. 06A is to furnish and install magnetic locks, with assistance from 16A for required conduit rough-in. The 06A Contractor shall provide controls, power wiring, junction boxes, rectifiers, and transformers and connection with electrified hardwired being provided in their package. The 06A, 08A and 16A Contractor shall coordinate required conduit or pathways being furnished by 16A for 06A or 08A use. The 06A, 08A and 16A contractor to ensure proper power requirements are brought to each location as well as required interaction with security and fire alarm system. With respect to any electrified hardware, it is the 16A contractor's responsibility to bring power to each door location, and install required power pack (furnished by others) at each door location (central locations will not be utilized due to length of run limitations on provided low voltage wiring); actual electrified door hardware is installed by 06A (or 08A at aluminum entrances) then 16A has power wiring and verification of wiring and final connections. 06A and 08A would then have associated respective adjustments. Security card readers are 16A to furnish and install with coordination from both 06A and 08A depending on location.

21. Contractor shall furnish and install all exterior conduit, duct banks and incidentals including but not limited to, electric, phone, CATV, fiber optic and spares, duct banks, transformer pads, manholes, handholes, concrete, etc. as required by the Contract Documents. The Contractor shall coordinate this work with the Construction Manager, Owner and all applicable Utility companies. This work also includes excavation, concrete, and backfill. Any utilities requiring new poles to be set for public utilities cost from installing public utility and or actual work is by this contractor.

22. Contractor shall coordinate on a daily basis with other Contractors to avoid conflicts in installation. Correction or reinstallation of work due to lack of coordination will be done at no cost to the Owner.

23. The 16A Contractor will furnish and install all backboards necessary to mount equipment if not indicated on the contract drawings. This is to be fire treated if required.

24. Contractor shall submit Fire Alarm wiring diagram and annunciator plan sixty (60) days after Notice to Proceed.

21. 16A Contractor shall be required to furnish layout for all concrete pads related to the work in this package. This includes interior and exterior locations. Forming, pouring, finishing, stripping, etc of these pads is by 03A. If concrete is not shown, but required, or if pad shown is smaller than required 16A equipment, 16A is responsible for all cost increases by the 03A Contractor as part of base bid.

25. Contractor shall electrify Food Service equipment and appliances specified. Contractor will coordinate with the Food Service Contractor, to ensure that proper rough-ins and receptacles are provided under this Contract.

26. Conduit runs below slabs on grade shall backfilled with #57 stone, compacted per contract requirements. In the event slab rough is not complete prior to a scheduled slab pour, the 16A Contractor will rough in balance of work overhead at no added cost.

27. Contractor shall provide sleeves, conduit, boxes, wire, and devices as specified or shown, for the Electrical, F/A, A/V, Communications, Clocks, Low Voltage, Controls, Security, as required. In addition to what is currently indicated, despite any reference to the contrary, contractor to include at a minimum a 2"x4" back box with 3/4" conduit to above interior ceiling, firesafing as required, pull string and stainless blank off plate at all exterior doorways to be used for future security access card readers. This will be at all exterior doorways, all levels, all hollow metal, aluminum, or rollup doorways, etc.

28. Spoils from 16A Contractor work will be stockpiled by 16A as directed by the Construction Manager and disposed in a legal manner offsite by the 02A Contractor.

29. Permanent heat and cooling start-ups will take place within fifteen (15) days prior to the date of substantial completion, as directed by the Construction Manager. The permanent system shall remain in operation following start-ups, as directed by the Construction Manager. The Contractor shall complete all work necessary properly to electrify the heating system equipment for its use as described above and incur any cost for extended warranty as part of base bid price.

30. Permanent lighting may be utilized within two (2) months prior to substantial completion. Contractor will replace lamps and tubes as necessary and incur any cost for extended warranty as part of base bid price.

31. Contractor shall caulk as necessary any 16A work which abuts material by others.

32. Contractor shall fire safe or fire caulk all 16A penetrations through walls or slabs.

33. The Contractor shall furnish all access panels as required for 16A work. These will be installed by others.

34. Contractor shall furnish and install all pigtails as necessary to connect equipment wire by others to receptacle as furnished by 16A Contractor.

35. Contractor shall furnish and install all site lighting, conduit, concrete pole bases, and concrete pads for exterior electric equipment, anchor bolts, and accessories as required by the Contract Documents. Pole base design is to be stamped by registered engineer in the State of Maryland.

36. 16A Contractor is responsible for all power and data rough-ins and final terminations/connections for the site signs per Contract Documents.

37. Contractor shall coordinate placement of conduit under slab on grade. Despite any reference to the contrary, no conduits will be allowed within any elevated slab on decks, or within the concrete of slab on grade. All conduits intended to be below slab on grade are to be run below stone subgrade layer.

38. Contractor will provide 5/8" plywood over 2" thick rigid insulation board as roof protection while working on the roof.

39. Contractors shall provide daily cleanup of all trash and debris generated by the work and place in dumpster furnished by the Construction Manager. The Contractor shall leave the area in broom clean condition daily. Should the Contractor's cleanup be unsatisfactory, the Construction Manager shall perform the work at the Contractor's expense

40. Contractor will be responsible to regrade and compact subgrade when disturbed by 16A work. If subgrade is made unsuitable by this work, 16A will undercut and replace at no-cost change.

41. This site is labeled as "unclassified to design subgrade". Therefore, the contractor will be responsible for all excavations down to proposed subgrade, for work under this contract package, regardless of material being excavated, including rock, at no cost to the Owner. All excavation and or spoils from this work are to be centrally located by 16A for haul off by 02A.

42. 16A to backfill all underground work being provided with this package with #57 stone and/or concrete as required by utility company, despite any reference to the contrary.

43. 16A Contractor is responsible for in-wall fire-treated wood blocking to support any 16A fixture or equipment, if not shown on contract documents as being part of the 06A package.

44. Any receptacle provided under this scope of work 6' or closer to a source of water (i.e., sink fume hoods, emergency shower, etc.) or in Kitchen shall be a "GFI" type whether indicated or not in the contract documents and shall be included in base bid cost. This Contractor is responsible for reviewing the Kitchen Equipment Drawings and Specifications and including all items including but not limited to referenced to be by the Electrical (D26,27,28) Contractor.

45. This Contractor is responsible for reviewing the Aquatic Drawings and Specifications and including all items referenced to be by the Electrical (D26, 27, 28) Contractor, including but not limited to all pool grounding and bonding as required. The 13A Contractor shall be responsible for incidental low-voltage (less than 110 volts) control wiring within the filter room.

46. Quantity of materials intended to be delivered and stored onsite must be coordinated and approved by the Construction Manager due to site constraints. It is the intent to have materials onsite to keep a steady flow of work but not any more material than can be installed in a two (2) week period of time. Offsite provisions for material storage and all cost are to be included in base bid.

47. 16A is to furnish, install, and maintain security lighting at roof level to shine down onsite. This is to be 400-watt halogen fixtures with timer or photo electric control. Fixtures to be placed 80' on center. This includes all conduit, wiring, fixtures, bulbs, and incidentals. Any patch or repair necessary after removal is part of this cost which is to be included in the base bid.

48. 16A Contractor shall install all items furnish by the Owner per the Contract Documents including but not limited to wireless access points and wireless controllers per specification section 011100.

49. 16A to include costs as necessary in base bid to coordinate and assist Commissioning Authority.

50. 16A will furnish and install thru wall cable ports and associated trim to provide a neat, finished appearance as required by the Contract Documents.

51. The 15A and 16A Contractors shall provide all required color coding and stenciling of mechanical piping, ductwork, equipment, conduit, etc. General painting of exposed piping ductwork, equipment, conduit, etc. located in public areas will be performed by the Painting Contractor.

52. 16A Contractor is to provide as-builts and spray paint exterior conduit run locations prior to landscaping, playground equipment, exterior athletic equipment, fencing and exterior signage installation.

53. 16A Contractor shall furnish and install conduit and wiring to disconnect switch. 16A to coordinate interconnection with security and fire alarm. Conduit and wiring for all other devices, switches, key switches, controllers, etc. will be installed by 06A.

54. The 15B and 16A Contractors shall submit concurrently to the State Fire Marshal a coordinated sprinkler system/fire alarm system submittal in accordance with the Fire Marshal's requirements. Fire Marshal must approve the annunciator panel design prior to release for fabrication. The Contractors shall provide the required coordinated submittal in its entirety within forty-five (45) days of Contract Aware or Notice to Proceed, whichever is issued first. Fire Alarm and Fire Sprinkler zoning is to match identically.

55. Contractor to furnish and install all equipment supports, preformed flashing sleeves, and roof curbs for work under this contract package. 16A to coordinate required provisions to level curbs with 06A contractor. Curbs are to be a minimum of 20" above finished roof surface.

56. Contractor includes wire guard cages at all devices such as but not limited to thermostats, speakers, clocks, lights etc. within the gymnasium.

57. Contractor includes vandal alarm box covers at all fire alarm pull stations regardless of location if not already specified.

58. The 15A Contractor is to furnish and install all required heat trace on plumbing and mechanical piping. The 15B contractor is to furnish and install all required heat trace on sprinkler piping. 16A to have final electrical connection.

59. In addition to the BIM requirements in the General Scope, contractor is required to also model:
    a. Code required clearances around all equipment and disconnects being furnished under this package
    b. Code required access to all duct fire and or smoke dampers
    c. All lighting, regardless of within a ceiling or exposed.

60. In addition to the requirement of providing daily cleanup of self-generated debris from work and or workers, the 04A, 06A, 09A, 15A and 16A contractors are to include 1 man per every 15 men contractor has onsite, with a mandatory minimum of one man if contractor has less than 15 men onsite. This requirement will be utilized for contractors to participate in a composite cleanup crew. Composite cleanup days will be every Wednesday from 7am to 2pm. Construction Manager will provide trash carts, dumpsters and sweeping compounds, all other equipment, PPE or otherwise, i.e. brooms, shovels, etc., are to be contractor provided.

22. The 16A Contractor shall provide temporary power connections for the 15A Contractor providing temporary heat. Temporary heat shall be installed and operating in each building area or portion thereof that has been enclosed with temporary doors and windows in any given area. 15A Contractor shall provide temporary heating as required to protect all construction materials from the potential adverse effects of low temperature. 15A Contractor shall achieve by use of temporary equipment until the permanent systems can be utilized. Temporary heat will be required from approximately October 15, 2020 through February 15, 2021.

61. Contractor shall make all final power connections for all automatic door operators, coiling grilles, coiling doors, appliances, gymnasium equipment, etc.

62. Despite any reference to the contrary, the use of beam clamps to support hangers from bar joists will not be tolerated. Beam clamps are acceptable on beams. All hangers needing to attach to bar joists are to be through bolted through the chords of the joists. In the event this cannot be located within the required distance to a panel point, this contractor will be responsible for any additional angle needed to move load to top chord, as directed by structural engineer or joist manufacturer.

63. ***Contractor shall provide all material and labor associated with the fiber optic work associated with Walkersville Middle School and bring back the conditions to their original condition or better after completion.*** [5]

64. Contractor to salvage all existing light pole heads and turn over to Owner's personnel after reconfiguration and installation of new site lighting.

PART 3 – ALTERNATE SCOPE OF WORK

1. Contractor has reviewed the Alternates scope of work listed elsewhere within the specifications and has included all costs in the event the Owner elects to proceed in whole or in part.

PART 4 – ALLOWANCES

1. Contractor to carry an allowance of $10,000 to cover the anticipated Potomac Edison connection fee for temporary power to the trailer compound.

2. Contractor to carry an allowance of $25,000 to cover the anticipated Potomac Edison connection fee for temporary electrical service to the building site.

3. Contractor to include an allowance of $10,000 for potential modification required for electrical and fire alarm connections associated with the Greenhouse add alternate #3. In the event the greenhouse is accepted, the final design will be provided by the 06A contractor to the MEP Contractors to finalize pricing as the final design is expected to vary from what is currently in the bid documents. The intent of this allowance is to cover any potential add due to the final design. In the event the cost is more than this allowance, an additive change order will be issued. In the event the final design is less than what is currently shown in the bid documents, a deduct will be issued as well as a deduct for this unused allowance.

END OF 16A SECTION

END OF SECTION

SIGN-IN SHEET

general contracting
construction management
design/build

Job Name: Rock Creek School Replacement

Site Visit

Today's Date: July 16, 2019

Your Name:	Representing:	Email Address/Phone Number:
Dwayne Judd	DHM	djudd@dhmpxc.com 717 729 1259
Brock Kendle	Ross	B.ds@rosscontracting.com
Fred Green Sr	PLEASANTS Const.	ESTIMATING@PLEASANTS.org
ASHLEY SCHANTZ	WG TOMKO	akish@wgtomko.com
Jesse Keene	Digging & Rigging	jkeene@digrig.com
Evan Appleby	Kinsley Construction	eappleby@kinsleyconstruction.com
David Hammett	Paddock Pools	dhammett@paddockpools.com
MARK GARGLAND	CAN-AM	mmhengland@canamcontractors.com
Randy Blair	Accubid	rblair@accubid.net
GHANNY	ACCUBID	GHANNI@ACCUBID.NET
Ben Dyer	Urban Zink	bdyer@urbanzink.com